

Portable Blu-ray Multimedia Player

user manual

imagine the possibilities

Thank you for purchasing this Samsung product.

To receive more complete service,
please register your product at

www.samsung.com/register

The Samsung logo, featuring the word "SAMSUNG" in a bold, sans-serif font inside an oval shape.

Key features

Blu-ray Disc Features

Blu-ray Discs support the highest quality HD video available in the industry - Large capacity means no compromise on video quality. Furthermore, a Blu-ray Disc has the same familiar size and look as a DVD.

The following Blu-ray Disc features are disc dependant and will vary.

Appearance and navigation of features will also vary from disc to disc.

Not all discs will have the features described below.

Video highlights

The BD-ROM format supports three highly advanced video codecs, including AVC, VC-1 and MPEG-2.

HD video resolutions are also available:

- 1920 x 1080 High Definition
- 1280 x 720 High Definition

For High-Definition Playback

To view high-definition contents on a Blu-ray Disc, an HDTV (High Definition Television) is required. Some Blu-ray Discs may require you to use the player's HDMI OUT to view high-definition content. The ability to view high-definition content on Blu-ray Discs may be limited depending on the resolution of your TV.

Interactivity

Certain Blu-ray Discs may contain Animated menus and Trivia games.

User Browsable Slideshows

With Blu-ray Discs, you can browse through still pictures while audio plays in the background.

Subtitles

Depending on what is contained on the Blu-ray Disc, you may be able to select different font styles, sizes, and colors for the subtitles. Subtitles may also be animated, scrolled, or fade in and out.

BD-LIVE

You can use a Blu-ray Disc supporting BD-LIVE to download contents provided by the disc manufacturer through a network connection.

Portable Blu-ray Multimedia Player Features

10.1 inch Built-in LCD Panel and built-in stereo speakers

Using the player's built-in 10.1 inch LCD display and stereo speakers, you can enjoy a movie with no need for a separate TV.

About 3 hour's Playback

A fully charged battery can play up to about 3 hours.

(The operating time in the battery mode can be reduced by the options you use.)

Convenient 2-Way power supply

You can use your Portable Blu-ray player virtually anywhere by using the supplied AC adapter indoors and the battery pack outdoors.

Compact size/light-weight design

Its compact and lightweight design makes the player easy to carry.

High-resolution image

High-resolution LCD screen provides clear pictures.

Internet@TV

You can download various for-a-fee or free-of-charge applications through a network connection. With these, you can access Internet services and content such as news, weather forecasts, stock market quotes, games, movies, and music.

3D

This player can play 3D contents through an HDMI cable.

To implement the 3D effect, connect a 3D device (3D-compliant AV receiver, 3D-compliant TV) to the player using an HDMI cable, and play the 3D content while wearing 3D vision glasses.

Safety Information

Warning

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK).
NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
The lightning flash and Arrowhead within the triangle is a warning sign alerting you of dangerous voltage inside the product.	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	The explanation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

FCC NOTE (for U.S.A)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

The user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This class B digital product meets all requirements of the Canadian Interference - Causing Equipment Regulations.

FCC RF Radiation Exposure

RF Radiation Exposure Statement

This equipment complies with FCC RF Radiation Exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

The final device into which this transmitter module is installed must be labeled with the following statement:

"This device contains TX FCC ID: A3LDNUBS1." If this transmitter will be configured as a pc peripheral, it will be the OEM's responsibility to obtain authorization as such (either through Certification or Declaration of Conformity) prior to marketing of the device.

Safety Information

Note to CATV system installer

This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Complies with 21CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

DANGER :

- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM. (FDA 21 CFR)

CAUTION :

- CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM (IEC 60825-1)
- THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
PRODUCTO	LÁSER CLASE 1

NOTE

- If the Region number of a Blu-ray Disc/DVD disc does not correspond to the Region number of this player, the player cannot play the disc.

Precautions

Important Safety Instructions

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below.

Keep these operating instructions handy for future reference.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Disc Storage & Management

Disc Handling

Disc Shape

- Use discs with regular shapes. If an irregular disc (a disc with a special shape) is used, this player may be damaged.



Holding discs

- Avoid touching the surface of a disc where data has been recorded.



Blu-ray Discs

- Do not leave a Blu-ray Disc in the player for long periods of time. Remove the Blu-ray Disc from the player and store it in its case.
- Be careful not to leave fingerprints or scratches on the surface of the Blu-ray Disc.

DVD-VIDEO, Audio CD (CD-DA)

- Wipe off dirt or contamination on the disc with a soft cloth.

Disc Storage

Be careful not to damage the disc because the data on these discs is highly vulnerable to the environment.

- Do not keep under direct sunlight.
- Keep in a cool ventilated area.
- Store vertically.
- Keep in a clean protection jacket.
- If you move your player suddenly from a cold place to a warm place, condensation may occur on the operating parts and lens, and cause abnormal disc playback. If this occurs, unplug the player, wait for two hours, and then connect the plug to the power outlet. Then, insert the disc and try to play back again.

Then insert the disc and try to play back again.

Handling Cautions

- Do not write on the printed side with a ball-point pen or pencil.
- Do not use record cleaning or antistatic sprays. Also, do not use volatile chemicals, such as benzene or thinner.
- Do not apply labels or stickers to discs. (Do not use discs fixed with exposed tape adhesive or leftover peeled-off stickers.)
- Do not use scratch-proof protectors or covers.
- Do not use discs printed with label printers available on the market.
- Do not load warped or cracked discs.
- Before connecting other components to this player, be sure to turn them all off.
- Do not move the player while a disc is being played as the disc may be scratched or broken, or the player's internal parts may be damaged.
- Do not put a flower vase filled with water or any small metal objects on the player.
- Be careful not to put your hand into the disc tray.
- Do not place anything other than the disc in the disc tray.
- Exterior interferences such as lightning and static electricity can affect the normal operation of this player. If this occurs, turn the player off and on again with the **POWER** button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.

Safety Information

- Be sure to remove the disc and turn off the player after use.
- Disconnect the AC power cord from the AC outlet when you don't intend to use the player for long periods of time.
- Remove the battery pack from the player if you don't intend to use it for a long period of time.
- To clean a disc, wipe it in a straight line from the inside to the outside of the disc.
- Do not expose the player to any liquid.
- When the AC plug is connected to a wall outlet, the player will still draw power (standby mode) when it is turned off.
- Apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- The main plug is used as a disconnect device and shall stay readily operable at any time.



Maintenance of Cabinet

For safety reasons, be sure to disconnect the AC power cord from the AC outlet before cleaning.

- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft, dry cloth.

Restrictions on Playback

- This player may not respond to all operating commands because some Blu-ray, DVD and CD discs allow specific or limited operation and features during playback.
Please note that this is not a defect in the player.
- Samsung cannot assure that this player will play every disc bearing the Blu-ray Disc, DVD or CD logo because disc formats evolve, and problems and errors may occur during the creation of Blu-ray Disc, DVD, CD software and/or the manufacture of discs.

Please contact the SAMSUNG customer care center if you have questions or encounter difficulty in playing Blu-ray, DVD, or CD discs in this player. Also, refer to rest of this user manual for additional information on playback restrictions.

Battery Usage

1. Keep the battery out of the reach of infants and pets, as they could put the battery into their mouth.
 - There is a danger of electric shock or choking.
2. Do not use the player in a badly ventilated location such as on bedding, on a pillow or cushion, etc, and do not use it in a location such as room with floor heating. It may cause the player to be overheated.
 - Take care that the player vents (on the side or the bottom) are not blocked especially in these environments. If the vents are blocked, the player may overheat and it may cause problem, or even an explosion.
3. Do not use the player in places exposed to humidity such as bathroom.
 - There is a danger of electric shock. Use the player within the operating conditions specified in the Manufacture's User Guide.
4. Do not let metal objects such as car keys or clips contact the battery when you are carrying or storing it.
 - Contact with a metal may cause excessive current and a high temperature and may damage the battery or cause a fire.
5. To use the player safely, replace a dead battery with a new, authorized battery by Samsung Electronics.
 - Otherwise, it may cause an explosion or fire.
6. Use authorized battery only by Samsung Electronics.
(Product ID of authorized battery are AK43-01004A and AK43-01005A)
7. Dispose of worn-out batteries properly.
 - There is a danger of fire or explosion.
 - The battery disposal method may differ depending on your country and region. Dispose of the used battery in an appropriate way.

8. Do not throw or disassemble the battery and do not put it into water.
 - This may cause an injury, fire or explosion.
9. Never heat the battery or throw the battery into a fire. Do not place or use the battery in a hot location such as a sauna, inside a vehicle, near a stove, and so on.
 - There is a danger of an explosion or fire.
10. If liquid leaks out of the battery or there is a funny smell coming from the battery, remove the battery from the player and contact a service center.
 - There is a danger of an explosion or fire.
11. Charge the battery according to the instructions in the manual.
 - Failing to do so, may cause an explosion or fire from damage to the player.
12. Danger of explosion if you replace the battery with the wrong type. Replace only with the same or equivalent type.
13. Dispose of used battery promptly. Keep away from children. Do not disassemble and do not dispose of in fire.

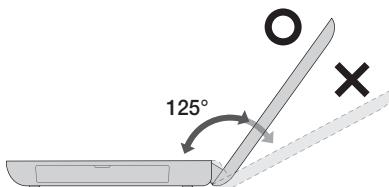
! CAUTION

- The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, heat above 60°C or incinerate. Replace battery with SAMSUNG, AK43-01004A and AK43-01005A only. Use of another battery may present a risk of fire or explosion.

Moving, Storing, and Driving, etc.

1. When moving the product, turn the power off and separate all connected cables first.
2. If you don't use the player for long periods of time, discharge and then detach the battery.
 - This will preserve the battery in its best condition.
3. Do not operate or watch the player while driving a vehicle.
 - There is a danger of a traffic accident. Please concentrate on driving.

4. Do not put this product or AC adaptor on your lap or on a soft-surface.
5. For your safety, please do not touch the disc with your finger if the disc is not fully stopped. Do not interrupt the disc until it completely stops spinning.
6. Make sure that the product is turned off before you put it into any kind of bag, case, box, or drawer. Inappropriate ventilation in such places may cause malfunction or damage to the product.
7. Gently open/close the LCD panel to avoid damage to the product.
8. LCD Panel can open up to 125° degree from its closed position. Please do not apply excessive force when unfolding beyond this position. Otherwise the product will be damaged.



Eye Position When Using Player

Keep the LCD at least 19.7 inches (50 cm) from your eyes.

- Adjust the height of the LCD screen so that its top height is equal to or lower than your eyes.
- Avoid setting the LCD excessively bright.
- Keep the LCD screen clean.

Safety Information

Cautions on Using the Car Power Cable

- The product is not designed for use in vehicles with batteries that exceed standard voltage (12V ±10%) or in buses, trucks, military/ construction vehicles, or heavy equipment.
- Using with battery of bus/truck/military/construction vehicles/heavy equipment may damage the product due to overvoltage, and Samsung is not liable for problems caused by such cases.
- Starting the engine may produce higher voltage than normal. To protect the product and user's safety, disconnect the Car Power Cable when you start the engine.
- If voltage from the vehicle's battery is too high (higher than 14V), the product may not operate normally or malfunction. In such cases, stop using the product in the vehicle.
- Car's inside can get warm easily and overheat the product. When using the product in a car, avoid exposing it to direct sunlight. Do not leave the product in the vehicle. Move the product to a cool place when you are done operating it.
- Watching or operating the product while driving greatly increases the chance of a traffic accident. Samsung is not liable for any accidents caused by watching or operating the product while driving. If you are the driver, park the car in a safe place before using the product.
- Do not to operate the product continuously for more than 3 hours. If you notice the player is over heating due to your vehicle's inside temperature, stop operating the player and turn it off.
- Do not install the player on or near the dashboard. Strong sunlight and radiation may overheat the product. Do not install the product as a navigation device.
- If the vehicle's internal temperature is too high, the following occurs more frequently:
 - The player stops charging.
 - The product automatically turns off while operating in battery mode.These actions are designed to prevent damage to the battery and protect user's safety.

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Getting Started

Before Using the user manual

Disc Types and Contents that can be played.

Term	Logo	Icon	Definition
BD-ROM			This indicates a function available on a BD-ROM.
BD-RE/-R			This indicates a function available on a BD-RE/-R disc recorded in the BD-RE format.
DVD-VIDEO			This indicates a function available on a DVD-VIDEO.
DVD-RW(V)			This indicates a function available on recorded DVD+RW or DVD-RW(V)/DVD-R/+R discs that have been recorded and finalized.
DVD-R			
DVD+RW			
DVD+R	 		
Audio CD			This indicates a function available on an audio CD-RW/-R (CD-DA format).
MP3 WMA	-		This indicates a function available in a CD-RW/-R, BD-RE/-R disc or a USB storage media containing MP3 or WMA contents.
JPEG	-		This indicates a function available in a CD-RW/-R, BD-RE/-R disc or a USB storage media containing JPEG contents.
DivX MKV MP4	-		This indicates a function available in a CD-RW/-R, BD-RE/-R disc or a USB storage media containing DivX, MKV, MP4 contents.

NOTE

- The player may not play certain CD-RW/-R and DVD-R due to the disc type or recording conditions.
- If a DVD-RW-R disc has not been recorded properly in DVD video format, it will not be playable.
- If contents which are consisting of more than 10Mbps bit-rate have been recorded in DVD-R, it is not supported.
- If contents which are consisting of more than 30Mbps bit-rate have been recorded in BD-R or USB, it is not supported.

Disc types that cannot be played

- HD DVD
- DVD-ROM/PD/
MV-Disc, etc
- DVD-RAM
- Super Audio CD
(except CD layer)
- DVD-RW(VR mode)
- CVD/CD-ROM/CDV/
CD-G/CD-I/LD
(CD-Gs play audio only,
not graphics.)
- 3.9 GB DVD-R Disc for
Authoring.

NOTE

- Some commercial discs and DVD discs purchased outside your region may not be playable with this player. When these discs are played, either "This disc can not be played." or "Cannot read this disc. Please check the regional code of the disc." will be displayed.
- Playback may not work for some types of discs, or when specific operations, such as angle change and aspect ratio adjustment, are being performed. Information about the discs is written in detail on the disc box. Please refer to this if necessary.
- Do not allow the disc to become dirty or scratched. Fingerprints, dirt, dust, scratches or deposits of cigarette smoke on the recording surface may make it impossible to use the disc for playback.
- Discs with PAL programs recorded on them cannot be played using this player.
- This player is compatible with the NTSC color system only.
- When a BD-J title is played, loading may take longer than a normal title, or some functions may perform slowly.
- This player may not respond to all operating commands because some Blu-ray, DVD and CD discs allow specific or limited operation and features during playback.
Please note that this is not a defect in the player.
- Samsung cannot assure that this player will play every disc bearing the Blu-ray Disc, DVD or CD logo because disc formats evolve, and problems and errors may occur during the creation of Blu-ray Disc, DVD, CD software and/or the manufacture of discs. Please contact the SAMSUNG customer care center if you have questions or encounter difficulty when playing Blu-ray, DVD, or CD discs in this player. Also, refer to rest of this user manual for additional information on playback restrictions.

Blu-ray Disc Compatibility

Blu-ray Disc is a new and evolving format. Accordingly, disc compatibility issues are possible. Not all discs are compatible and not every disc will play back. For additional information, refer to the Compliance and Compatibility Notice section of this user manual.

Disc Types

BD-ROM

This Blu-ray disc can only be played back. This player can play back pre-recorded commercial BD-ROM discs.

BD-RE/-R

This Blu-ray disc can be recorded and played back.

This player can play back a BD-RE/-R disc recorded by other compatible Blu-ray disc recorders.

DVD-VIDEO

- This player can play back pre-recorded commercial DVD discs (DVD-VIDEO discs) with movies.
- When switching from the first layer to the second layer of a dual-layered DVD-VIDEO disc, there may be momentary distortion in the image and sound. This is not a malfunction of the player.

DVD-RW

This player can play back a DVD-RW disc recorded and finalized with a DVD video recorder. Ability to play back may depend on recording conditions.

DVD-R

This player can play back a DVD-R disc recorded and finalized with a DVD Video recorder. Ability to play back may depend on recording conditions.

DVD+RW

- This player can play back a DVD+RW disc recorded with a DVD Video recorder. Ability to play back may depend on recording conditions.

DVD+R

- This player can play back a DVD+R disc recorded and finalized with a DVD Video recorder. Ability to play back may depend on recording conditions.

Getting Started

Audio CD (CD-DA)

- This player can play back CD-DA format audio CD-RW/-R discs.
- The player may not be able to play some CD-RW/-R discs due to the condition of the recording.

CD-RW/-R

- Use a 700MB (80 minute) CD-RW/-R disc. If possible, do not use a 800MB (90 minute) or above disc, as the disc may not play back.

- If the CD-RW/-R disc was not recorded as a closed session, you may experience delays when playing back the beginning of the disc or all recorded files may not play.
- Some CD-RW/-R discs may not be playable with this player, depending on the device which was used to burn them. For contents recorded on CD-RW/-R media from CDs for your personal use, playability may vary depending on contents and discs.

Supported File Formats

Video File Support

File Extension	Container	Video Codec	Audio Codec	Resolution
*.avi	AVI	DivX 3.11/4.x/5.1/6.0	MP3 AC3 DTS WMA PCM	1920x1080
		XviD		1920x1080
		MP4v3		1920x1080
		H.264 BP/MP/HP		1920x1080
*.mkv	MKV	VC-1 AP	MP3 AC3 DTS	1920x1080
		DivX 5.1/6.0		1920x1080
		XviD		1920x1080
		H.264 BP/MP/HP		1920x1080
*.wmv	WMV (wmv9)	VC-1 AP	WMA	1920x1080
		VC-1 SM		1920x1080
*.mp4	MP4	MP4 (mp4v)	AAC	1920x1080
		H.264 BP/MP/HP		1920x1080
*.mpg *.mpeg	PS	MPEG1	MP1, 2 AC3 DTS	1920x1080
		MPEG2		1920x1080
		H.264 BP/MP/HP		1920x1080

Music File Support

File Extension	Container	Audio Codec	Support Range
*.mp3	MP3	MP3	-
*.wma	WMA	WMA	Compliant with WMA version 10 * Sampling rates (in kHz) - 8, 11, 16, 22, 32, 44.1, 48 * Bit rates - All bit-rates in the range 5kbps to 384kbps

AVCHD (Advanced Video Codec High Definition)

- This player can playback AVCHD format discs. These discs are normally recorded and used in camcorders.
- The AVCHD format is a high definition digital video camera format.
- The MPEG-4 AVC/H.264 format is capable of compressing images at higher efficiency than that of the conventional image compressing format.
- Some AVCHD discs use the “x.v.Color” format.
- This player can playback AVCHD discs using “x.v.Color” format.
- “x.v.Color” is a trademark of Sony Corporation.
- “AVCHD” and the AVCHD logo are trademarks of Matsushita Electronic Industrial Co., Ltd. and Sony Corporation.

NOTE

- Some AVCHD format discs may not play, depending on the recording condition. AVCHD format discs need to be finalized.
- “x.v.Color” offers a wider color range than normal DVD camcorder discs.
- Some DivX, MKV, and MP4 format discs may not play, depending on the video resolution and frame rate condition.

Notes on USB connection

Supported devices: USB storage media, MP3 player, digital camera, USB card reader

- Does not support if a folder or file name is longer than 128 characters.
- A certain USB/digital camera device may not be compatible with the product.
- FAT16, FAT32 and NTFS file systems are supported.
- Connect directly to the product's USB port. Connecting through another cable may raise problems with USB compatibility.
- Inserting more than one memory device to a multi-card reader may not operate properly.
- Supports the PTP protocol.
- Do not disconnect USB device during a “loading” process.
- Bigger the image resolution, the longer the delay to displaying.
- DRM applied MP3 files downloaded from a commercial site are not played back.
- External HDD device is not supported.

Region Code

Both the player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.

The Region Number for this player is displayed on the bottom housing of the player.

Disc Type	Region Code	Area
Blu-ray		North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia.
		Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.
		India, China, Russia, Central and South Asia.
DVD-VIDEO		The U.S., U.S. territories and Canada
		Europe, Japan, the Middle East, Egypt, South Africa, Greenland
		Taiwan, Korea, the Philippines, Indonesia, Hong Kong
		Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
		Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
		China

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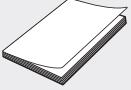
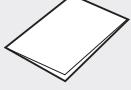
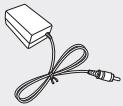
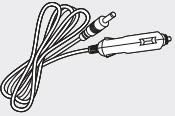
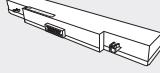
Getting Started

Logos of Discs that can be played

			
Blu-ray Disc	3D Blu-ray Disc	DTS-HD Master Audio	DivX
			
BD-LIVE	Dolby TrueHD	NTSC broadcast system in U.S.A, Canada, Korea, Japan	Java

Accessories

Check for the supplied accessories below.

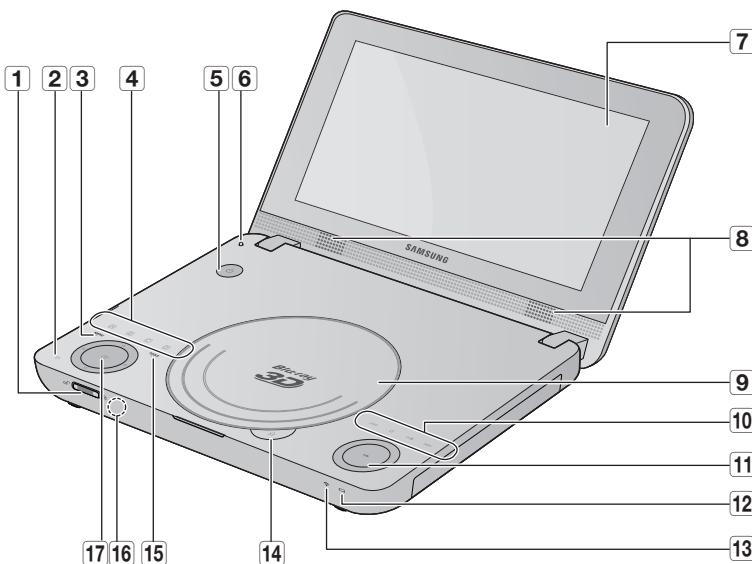
			
Audio/Video cable (AK39-00148A)	User Manual (AK68-01960U)	Quick Guide (AK68-01855W)	
			
AC power Adapter (AK44-00012A)	Car Power Cable (AK39-00150A)	Battery Pack (AK43-01004A)	Remote Control with CR2032 Type Lithium-Ion Battery (AK59-00104U)
			
Earphones (AK30-00007A)	Y type Earphone Adapter (3722-003034)	Soft Cloth (AH81-02286C or BN63-02368B)	Carrying Case (AK63-00709A)

! CAUTION

- Operating the product while in the carrying case may increase internal temperature, which may damage the product. Do not turn on or operate the product while covered in the carrying case.

Front Panel

Front View



1	HOLD SWITCH	Slide to lock or unlock the button functions. When the Hold switch is in the lock position, none of the buttons on the player work except the Power button. - If you press touch buttons when HOLD switch is in "Lock", "🔒" mark flashes during 3 second on top-right side of Built-in LCD Panel.
2	RETURN BUTTON	Return to the previous menu.
3	MENU BUTTON	Press this to move to the home menu.
4	COLORS BUTTONS	These buttons are used both for menus on the player and also several Blu-ray Disc functions.
5	POWER BUTTON	Turns the player on and off.
6	HINGE DETECT SWITCH	The LCD screen turns off after the player has detected that you have closed the LCD panel.
7	LCD	High-resolution LCD screen
8	SPEAKERS	Built-in stereo speakers
9	DISC TRAY COVER	Opens to accept a disc.

Getting Started

	SKIP BUTTON (◀◀)	Press to skip backwards.
10	STOP BUTTON (■)	Stops disc playback.
	PLAY/PAUSE BUTTON (▶▶)	Plays a disc or pauses playback.
	SKIP BUTTON (▶▶)	Press to skip forwards.
11	VOLUME CONTROL	<p>This is a wheel type volume control.</p> <ul style="list-style-type: none">- Position your finger on the outer circle of the volume control and move it to the left or right along the circle at least 90 degrees. If you don't move your finger at least 90 degrees, the volume may not change. When you move your finger beyond 90 degrees, the volume increases or decreases continuously.- Moving your finger counterclockwise reduces the volume. Moving your finger clockwise increases the volume.
12	BATTERY CHARGING STATUS INDICATOR (□)	The charging LED on the front of the player turns orange when the battery is charging correctly. When charging is complete, it turns green.
13	NETWORK CONNECTION INDICATOR (Wi-Fi)	Check the status of the network connection. (Blue LED)
14	OPEN/CLOSE BUTTON	Opens and closes the disc tray cover.
15	TOOLS BUTTON	Press to use Tools menu.
16	REMOTE CONTROL SENSOR	Detects signals from the remote control.
17	ENTER / DIRECTION BUTTON	Select menu items and change menu value.

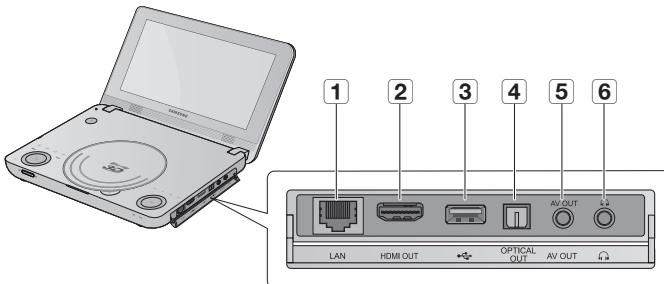
NOTE

- Touch buttons may not function if you use a fingernail or instruments such as a ballpoint pen. Please only use your finger tip.
- It may be difficult to operate the remote control unit if the remote control sensor on the Blu-ray player is exposed to direct sunlight or strong artificial light. Operate the remote away from such light sources.
- When you press the **OPEN/CLOSE** (△) button during playback, the disc inside the tray may continue to spin for a short period of time. This is not a malfunction.
- The volume can be controlled on the player only. You can't use the remote to control the volume.
- The front panel's Play button does not start some Blu-ray disc titles from the disc's menu.
- Do not operate the player with the LCD Panel closed for long periods of time.
- To prevent over-heating, please keep the LCD panel open while the product is operating.
- Do not subject the display area of LCD panel to excessive pressure to avoid damage. To clean the LCD panel, gently wipe it using dry soft cloth only.
- LCD Panel can open up to 125° degree from its closed position. Please do not apply excessive force when unfolding beyond this position. Otherwise the product will be damaged.
- Please do not place things on the touch button or near its area to prevent abnormal operation of touch button.

! CAUTION

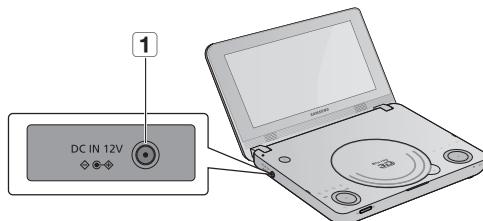
- Gently open/close the LCD panel to avoid damage to the product.

Right View



1	LAN	Connect a LAN cable to the LAN jack to access network based services (See pages 59~64), BD-LIVE, and software upgrades using a network connection.
2	HDMI OUT	Using an HDMI cable, connect this HDMI output terminal to the HDMI input terminal on your TV for the best quality picture or to your Receiver for the best quality sound.
3	USB HOST	Connect a USB memory flash stick here and use the stick as storage when you have connected the player to BD-LIVE. You can also use the USB Host jack for software upgrades and MP3/JPEG/DivX/MKV/MP4 playback.
4	OPTICAL OUT JACK	Connect a digital optical cable from the Optical jack to external audio equipment capable of digital output.
5	AV OUT	View movie and images on a large screen by connecting this product to a TV.
6	EARPHONES JACK	Connect supplied earphones.

Left View



1	DC IN 12V JACK	Connect the AC power adaptor to this portable Blu-ray player.
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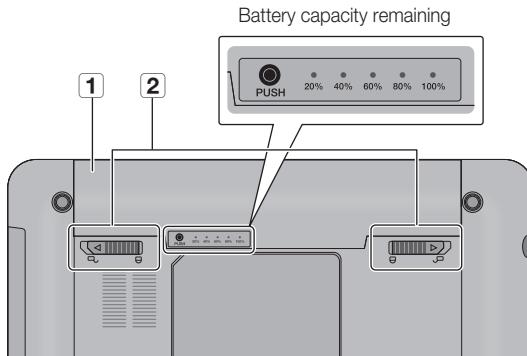
NOTE

- You can perform software upgrades using the USB Host jack with a USB memory flash stick only.

Getting Started

Rear Panel

Bottom View



1 BATTERY PACK

Charge the battery pack using the AC Power Adapter. On the battery, there are LED indicators that show the remaining capacity. Press the **PUSH** button to view the LED indicators.

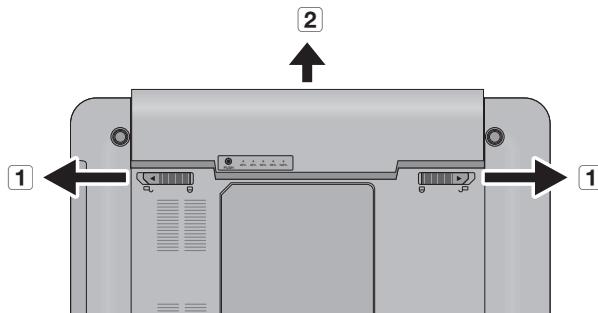
2 BATTERY PACK RELEASE SWITCH

Slide to release the battery pack.

LED Display of the battery remaining capacity

No	Display	LED ON Condition
1		100%~81% Capacity Remaining
2		80%~61% Capacity Remaining
3		60%~41% Capacity Remaining
4		40%~21% Capacity Remaining
5		20%~1% Capacity Remaining
6		0% Capacity Remaining
Etc.		The LED flashes if the battery pack has problems and errors. In this case please contact the Samsung service center nearest you.

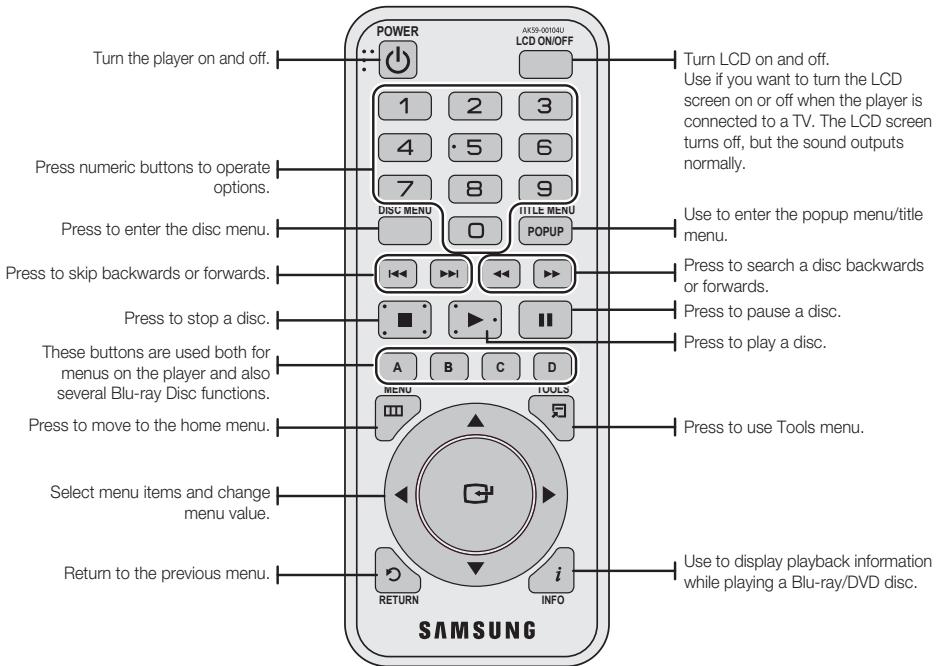
Removing the battery pack



1. Slide the Battery Pack Release Switch in the direction of the arrow.
2. Pull the Battery Pack out.

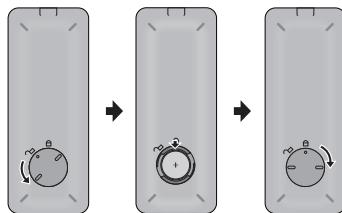
Remote Control

Tour of the Remote Control



Getting Started

Installing the battery into the remote



1. Turn the lithium battery's cover counterclockwise, and then remove.
2. Place the lithium battery in the battery compartment plus (+) side facing up. Replace the cover, and then turn it clockwise.
- Match the polarities (+ and -) on the battery with the marks in the battery compartment. If the battery is inserted in the wrong direction, your remote control will not work correctly.

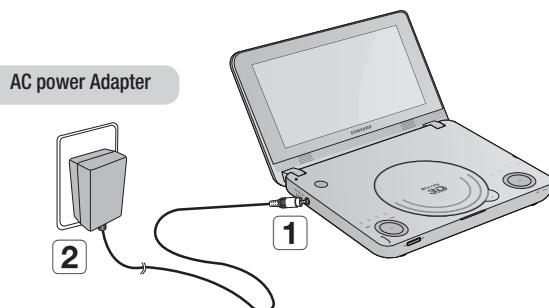
NOTE

- If the remote does not operate properly :
 - Check the polarity +/– of the battery.
 - Check if the battery is drained.
 - Check if the remote sensor is blocked by obstacles.
 - Check if there is any fluorescent lighting nearby.
 - It may be difficult to operate the remote control unit if the remote control sensor on the Blu-ray player is exposed to direct sunlight or strong artificial light. Operate the remote away from such light sources.
 - After battery replacement, your remote control unit may not work. If this occurs, remove the battery and re-insert.
 - Remove the battery when you are not planning to use the remote control for a long period of time.

CAUTION

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type

Using the AC adapter



1. Connect the jack of the AC power adapter to the DC IN jack.
2. Plug the other end of the AC power adapter into an AC outlet.

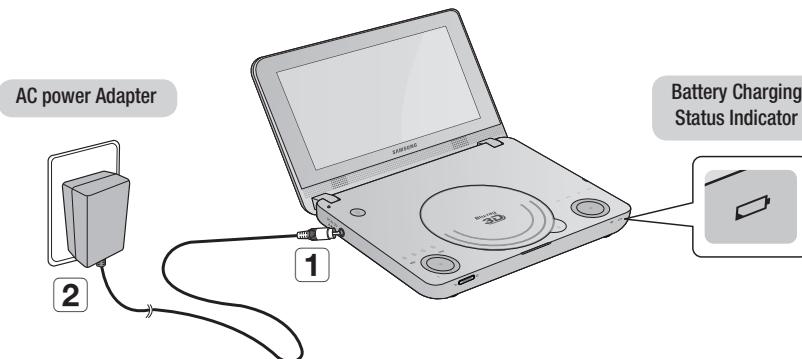
CAUTION

- Be sure to use the supplied AC adapter. Using a different type of adapter may cause a malfunction or damage to the product.
- When the AC adapter is used for prolonged periods of time, the adapter may heat up.
This is normal and is not a cause for concern.
- When not using the adapter, unplug it from the wall outlet.
- Keep the AC adapter free from moisture, cold, and dust. Otherwise, there is a risk of fire or electric shock..
- Be sure to unwind the AC power adapter cable before using, as electromagnetic interference may cause problems with other devices.

Charging the battery pack

Use the bundle AC adapter to charge the battery pack.

- Please charge the battery pack fully before using the player for the first time.
- Before charging, make sure that the battery pack is correctly seated.



1. Connect the jack of the AC power adapter to the DC IN jack.
2. Plug the other end of the AC power adapter into an AC outlet.
- The battery charges faster if you turn the player off.

Charging time: Approx. 4 hours (in the stanby mode, Ambient Temprature is 68°F~ 77°F)

Charging time may be longer in the case listed below.

- If the player is being operated. (Charging takes at least 9 hours in default settings)
- If the battery pack is left for long periods of time after it is fully-discharged.
- If the player is put in a hot location or very warm environment.

Playing Time: A fully charged battery can play up to 3 hours when the player is configured as described below:

- LCD Backlight : Set to 5
- Headphones or Earphones Connected
- Light Effect : Set to Off
- No USB Device connected.
- Ambient Temprature : 68°F~ 77°F

Battery Charging Status Indicator

- The charging LED on the front of the player turns orange when the battery is charging correctly. When charging is complete, it turns green.

NOTE

- The playing time may be shortened if you increase the level of the LCD Backlight or output sound from the speakers.
- The life time of the lithium ion battery pack is limited. Battery capacity can decrease and playing time can be shortened if you do not use the player and battery for extended periods.
- If the battery pack is over-discharged, it may take longer time to fully charge.
To prevent over-discharging, please charge the battery pack if it is fully discharged before it's next use.
- Be sure to recharge the battery at least once every six months to ensure proper battery life.
- When charging or using the battery pack, it heats up. This is normal and is not a cause for concern.

Getting Started

Battery level display

- **LCD**

To check the battery status on the Built-in LCD Panel, press the **INFO** button on the remote control or the **TOOLS** button on the player or remote control while it is turned on.

	Battery icon/message	Charging state
Connecting the AC Adapter		Charging
		Fully Charged
Using Battery only		About 81%~100%
		About 61%~80%
		About 41%~60%
		About 21%~40%
		About 5%~20%
		About 3%~5%
	"Low Battery. After a moment, player will turn off automatically."	The player displays this message, and then turns off in a few seconds.

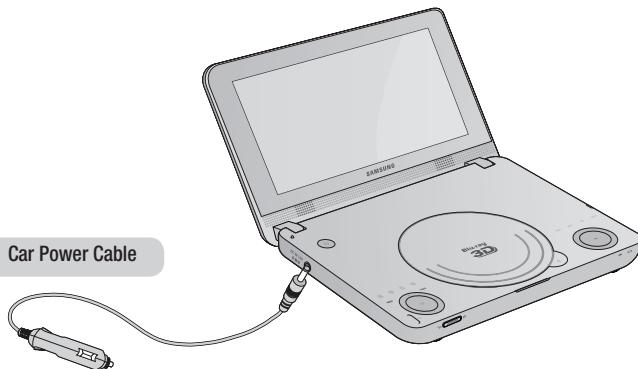
- **Battery**

There is an LED indicator on the battery pack that shows the remaining capacity. To check the battery status on the battery pack, press the **PUSH** button on the battery pack. (See page 20)

Car Power Cable

※ Before using the product

- If you are driving, park the car in a safe place before using the product.
- If you leave the player in your car in the summer, it can overheat. If this occurs, cool down the product by placing it in a cool place before using.
- We recommend that only passengers use the player while the car is in motion and that they use the player in the back seat so that the driver is not distracted.



Powering the product with the Car Power Cable

You can power the player through the cigarette lighter jack power by using the provided Car Power Cable.

1. Before you start the engine, make sure to Car Power Cable is disconnected. Only connect it after the engine is started.
2. After you have turned the car on, connect the Car Power Cable to the car's cigarette lighter jack and the player.
 - Fully insert the Car Power Cable into the car's Cigarette lighter jack.
3. Turn the product's power on using the power button of the player or remote control.

Charging the product with the Car Power Cable

You can charge the product through the cigarette lighter jack inside a car.

- If the player is on, charging may take more time. For faster charging of the product, turn the player's power off while charging.
- This Product is designed to start charging only when the internal temperature of the battery pack is between 41°F~113°F (5°C~45°C). Note that the internal temperature of the battery pack and the ambient temperature may be different.
- If the temperature of the car is too low or too high, charging may stop. If the internal temperature of the battery pack goes below 32°F (0°C) above 140°F (60°C), it stops charging automatically.

Operating the product in a car using the battery pack

Place the product in a car away from direct sunlight or other high temperature sources.

Getting Started

! CAUTION

- The product is not designed for use in vehicles with batteries that exceed standard voltage (12V ±10%) or in buses, trucks, military/ construction vehicles, or heavy equipment.

- Using with battery of bus/truck/military/construction vehicles/heavy equipment may damage the product due to overvoltage, and Samsung is not liable for problems caused by such cases.

- Starting the engine may produce higher voltage than normal.

To protect the product and user's safety, disconnect the Car Power Cable when you start the engine.

- If voltage from the vehicle's battery is too high (higher than 14V), the product may not operate normally or malfunction. In such cases, stop using the product in the vehicle.

- Car's inside can get warm easily and overheat the product.

When using the product in a car, avoid exposing it to direct sunlight. Do not leave the product in the vehicle. Move the product to a cool place when you are done operating it.

- Watching or operating the product while driving greatly increases the chance of a traffic accident. Samsung is not liable for any accidents caused by watching or operating the product while driving. If you are the driver, park the car in a safe place before using the product.

- Do not to operate the product continuously for more than 3 hours. If you notice the player is over heating due to your vehicle's inside temperature, stop operating the player and turn it off.

- Do not install the player on or near the dashboard. Strong sunlight and radiation may overheat the product. Do not install the product as a navigation device.

- If the vehicle's internal temperature is too high, the following occurs more frequently:

→ The player stops charging.

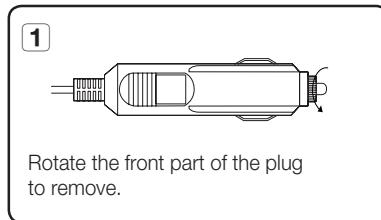
→ The product automatically turns off while operating in battery mode.

These actions are designed to prevent damage to the battery and protect user's safety.

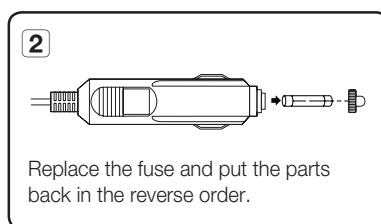
How to replace the fuse

- This product contains a built-in fuse to protect the Car Power Cable from short circuiting.
- If the Car Power Cable does not work, check whether the fuse has blown, and then replace the fuse as needed. (If the problem persists after replacing the fuse, please contact the Samsung service center nearest you.)
- Be sure to use a 250V/3A fuse only.

1. Rotate the front part of the plug to remove it from the Car Power Cable as shown in the illustration.
2. Replace the fuse with a new fuse of the proper rating and put the parts together in the order you removed them.



Rotate the front part of the plug to remove.



Replace the fuse and put the parts back in the reverse order.

Warnings and cautions on using the Car Power Cable

- This product is intended for use on negative grounded vehicles only. Using it on a positive grounded vehicle may result in fire or malfunction.
- When plugging this product into your vehicle's cigar lighter, do so with your vehicle's engine turned on. (Using the Car Power Cable with your vehicle's engine turned off may drain the vehicle's battery of all power and the engine may fail to start.)
- Be sure to remove the Car Power Cable from the cigarette lighter before turning the vehicle's engine on or off.
- Depending on your vehicle's make and model, you may not be able to use this product because of the difference in shape of the cigar lighter.
- Your Car Power Cable may not work if there are cigarette ashes inside the cigar lighter. Clean any ashes or debris from the socket before using.
- When using this product to supply power to your player, picture interference may occur if the player and cable are in close proximity of each other. If this occurs, place them about 4 inches (10cm) apart.
- If static or noise occurs on the car radio when you use of this product, place the Car Power Cable farther away from the car radio.
- Do not disassemble or modify this product in any way.
- Do not drop or strike the product.
- Do not store or use this product in direct sunlight or high temperature. (This may cause deformation, discoloration, or malfunction.)
- Do not leave this product in a vehicle with closed windows.
- If you replace the fuse, be sure to use a 250V/3A fuse only. Never replace the fuse with a wire or the like as this may cause a fire.

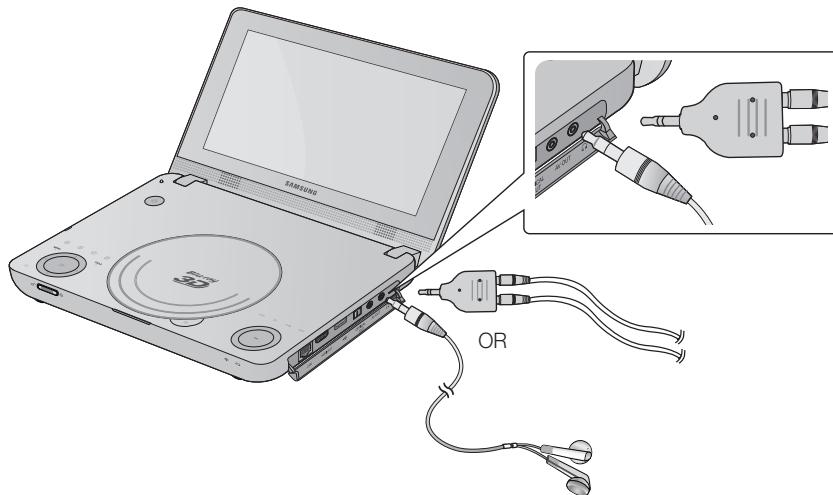
Connections

Connecting Earphones to the Player

You can attach earphones to the earphones jack for private listening. Two people can listen to the player together by using a Y type Earphone Adapter.

How to use earphones

- Turn the volume down to the minimum setting before connecting.



1. Insert earphones into the earphones () jack.
 - Two people can listen to the player by connecting two earphones to a Y type Earphone Adapter, and then attaching the Y type Earphone Adapter to the earphones jack.
2. Adjust the volume level by using the Volume control.

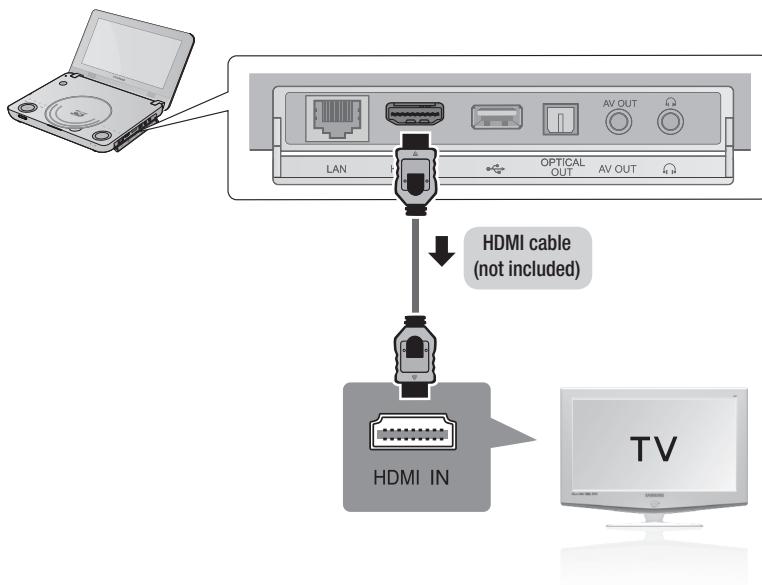
! CAUTION

- Once you connect earphones to the player, your Blu-ray Player's speakers will not produce sound.
- Note that the speaker volume and the earphone volume are controlled separately.
- If the Earphone volume is set to over 10, the volume will be set back to 10 to avoid hearing damage when you disconnect the earphones and connect them again.
If the Earphone volume is set to under 10, it is not changed.

Connecting to a TV

Case 1 : Connecting to a TV with an HDMI Cable - Best Quality (Recommended)

1. Using an HDMI cable, connect the **HDMI OUT** terminal on the side of the player to the **HDMI IN** terminal of your TV.
2. Turn on the player and TV.
3. Press the input selector on your TV remote control until the HDMI signal from the player appears on your TV screen.



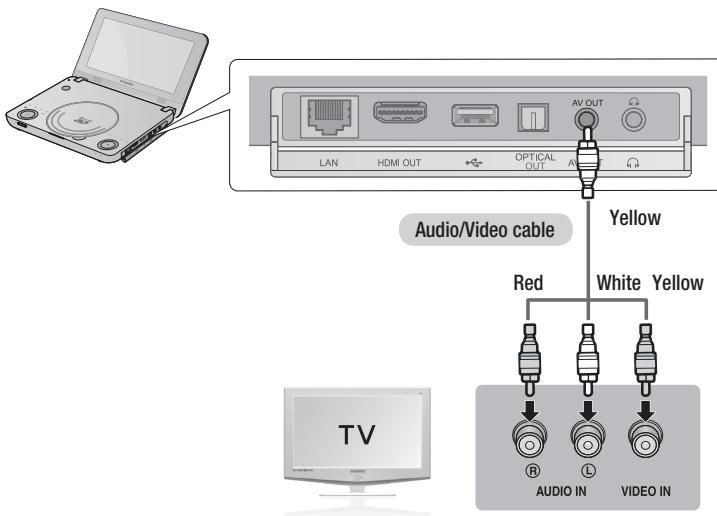
NOTE

- An HDMI cable outputs digital video/audio, so you don't need to connect an audio cable.
- If the player is connected to your TV in the HDMI 720p, 1080i or 1080p output mode, you must use a High speed (category 2) HDMI cable.
- HDMI outputs only a pure digital signal to the TV.
If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.
- Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user manual of your TV.
- When you connect the player to the TV using the HDMI cable for the first time or to a new TV, the player sets the HDMI output resolution to the highest supported by the TV automatically.
- You must have an HDMI connection to enjoy videos with 3D technology.
- A long HDMI cable may cause screen noise or distortion. If this occurs, set Deep Color to Off in the menu.

Connections

Case 2 : Connecting to a TV with Audio/Video cables - Good Quality

1. Using Audio/Video cables, connect the **AV OUT (yellow)** terminals on the side of the player to the **VIDEO IN (yellow) / AUDIO IN (red and white)** terminals of your TV.
2. Turn on the player and TV.
3. Press the input selector on your TV remote control until the "VIDEO" signal from the player appears on the TV screen.



NOTE

- If you want to view video on your TV only, close the display panel of your player. Playback will continue and audio to the speakers will be cut off, but you still will be able to use the remote to control the player.
- Noise may be generated if the audio cable is placed too close to the power cable.
- The number and position of the jacks on your TV may vary depending on your TV set. Please refer to the user manual of your TV.

CAUTION

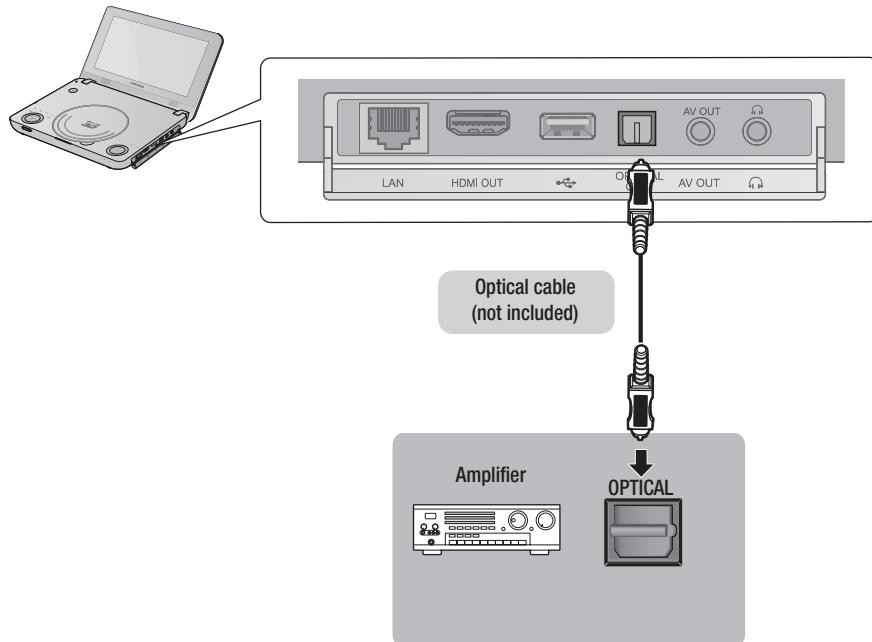
- Do not connect the player to your TV through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

Connecting an External Digital Component (Amplifier)

1. Connect the OPTICAL OUT terminal on the side of the product to the Digital input of the external digital component (amplifier) using a digital optical cable.
2. Turn on the player, TV, and amplifier.
3. Press the input select button of the amplifier to select the external input and hear sound from the player. Refer to your amplifier's user manual to set the amplifier's audio input.
4. Press the input selector on your TV remote control to select the video source (HDMI or Video.)

NOTE

- This system supports Digital sampling frequencies of 32 kHz or higher from external digital components.
- This system supports only DTS and Dolby Digital audio. MPEG audio (bit stream) is not supported.



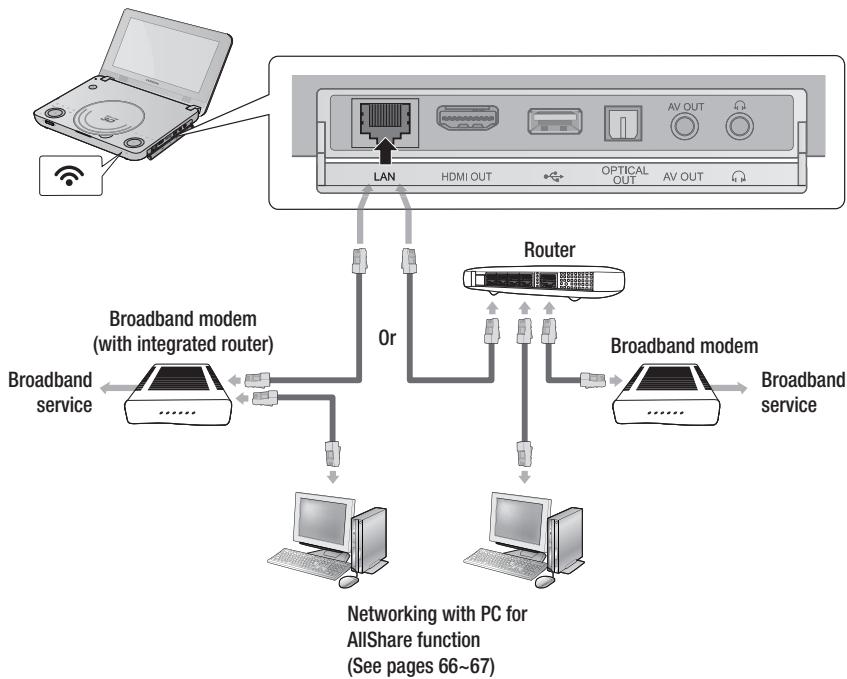
Connections

Connecting to the Network

This player lets you view network based services (See pages 59~64) such as Internet@TV and BD-LIVE, as well as receive software upgrades through a network connection. We recommend using an AP (Access Point) or IP router for the connection. For more information on router connection, refer to the user manual of the router or contact the router manufacturer for technical assistance.

Cable Network

1. Using the Direct LAN Cable (UTP cable), connect the LAN terminal of the player to the LAN terminal of your modem or router.
2. Set the network options. (See pages 43~47)



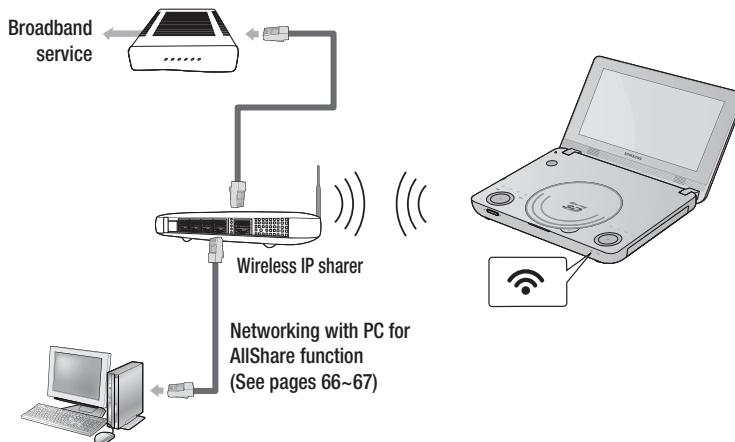
NOTE

- Internet access to Samsung's software update server may not be allowed, depending on the router you use or the ISP's policy. For more information, contact your ISP (Internet Service Provider).
- For DSL users, please use a router to make a network connection.
- To use the AllShare function, you must connect your PC to your network as shown in the figure. The connection can be wired or wireless.

Wireless Network

You can connect your player to your network with a Wireless IP sharer. A wireless AP/IP router is required to make a wireless network connection. To set the network options, see pages 43~47.

- You can check the network connection indicator(Blue LED) to see the status of the network connection.



NOTE

- To use a wireless network, your player must be connected to a wireless IP sharer. If the wireless IP sharer supports DHCP, your player can use a DHCP or static IP address to connect to the wireless network.
- This player supports IEEE 802.11B, IEEE 802.11G, IEEE 802.11N. When you play the video over IEEE 802.11B/G connection, the video may not be played smoothly.
- Select a channel for the wireless IP sharer that is not currently being used. If the channel set for the wireless IP sharer is currently being used by another device nearby, this will result in interference and communication failure.
- If you select the Pure High-throughput (Greenfield) 802.11n mode and set the Encryption type to WEP, TKIP, or TKIP-AES (WPS2Mixed) on your AP, this player will not support a connection in compliance with new Wi-Fi certification specifications.
- If your AP supports WPS (Wi-Fi Protected Setup), you can connect to the network via PBC (Push Button Configuration) or PIN (Personal Identification Number). WPS will automatically configure the SSID and WPA key in either mode.
- Connection Methods : You can set up the wireless network connection 3 ways:
 - PBC (WPS)
 - Auto Setup (Using the Auto Network Search function)
 - Manual Setup
- Wireless LAN, by its nature, may cause interference, depending on the operating conditions. (AP performance, distance, obstacles, interference by other radio devices, etc).
- Set the wireless IP sharer to Infrastructure mode. Ad-hoc mode is not supported.
- When applying the security key for the AP (wireless IP sharer), only the following security protocols are supported:
 - 1) Authentication Mode : WEP, WPAPSK, WPA2PSK
 - 2) Encryption Type : WEP, AES
- To use the AllShare function, you must connect your PC to your network as shown in the figure. The connection can be wired or wireless.

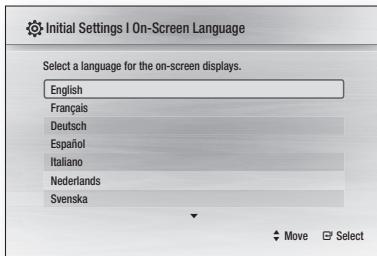
! CAUTION

- Follow the instructions of the location you are in when you are using the wireless function. Places such as hospitals and airplanes typically have rules that limit wireless connectivity, and may prohibit wireless connections entirely.

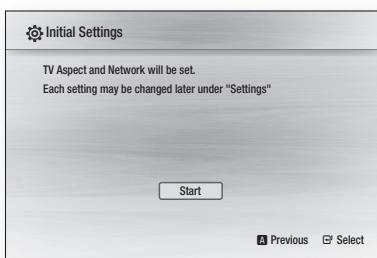
Setup

Before Starting (Initial Settings)

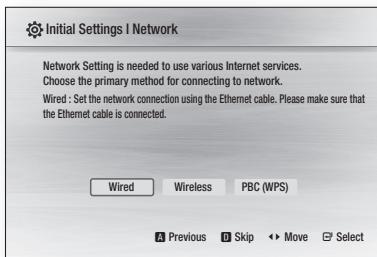
1. After plugging in the player, the first time you press the POWER button, this screen comes up.



2. Press the **▲▼** buttons to select the desired language, then press the **ENTER** button.
3. Press the **ENTER** button to select **Start**.



4. Press the **▲▼** buttons to select the desired TV aspect ratio, then press the **ENTER** button. (See page 37)



5. Press the **◀▶** buttons to select the desired Network Settings : **Wired**, **Wireless** or **PBC (WPS)**, and then press the **ENTER** button. If you do not know your Network Settings, press the **BLUE (D)** button on your remote instead to skip Network Settings here, finish the Initial Settings, and go to the Home menu. If you selected a Network Setting, go to pages 43~47 for more information about the Network settings. When done, go to Step 6.

6. Press the **OK** button.
The Home menu is displayed. For more information about the Home menu, please see page 35.

• Home Menu

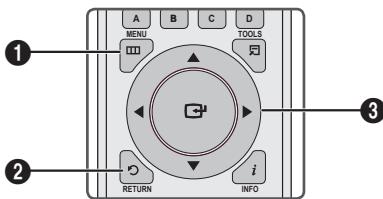


• NOTE

- When the player is connected to a TV for the first time, the player will turn on automatically. This is not malfunction.
- The Home menu will not appear if you do not configure the initial settings except as noted below.
- If you press the **BLUE (D)** button during the network setup, you can access the Home menu even if the network setup is not completed yet.
- If you want to display the Initial Setting screen again to make changes, press the **STOP (■)** button on the front panel of the product for more than 5 seconds with no disc inserted.

- Use the HDMI cable to connect the player to an **Anynet+(HDMI-CEC)**-compliant Samsung TV. If the TV uses a language supported by the player, that language will be set to a preferred language automatically.
- For this to work, the **Anynet+(HDMI-CEC)** feature should be set to **On** in both the TV and the player.
- If you make no input for 5 minutes after your close the LCD panel, the player turns off.

Setting the Menu



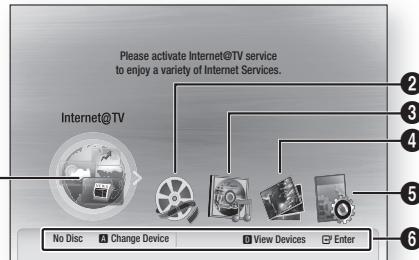
① **MENU** Button : Press to move to the Home menu.

② **RETURN** Button : Return to the previous menu.

③ **ENTER / DIRECTION** Button :
Move the cursor or select an item.
Select the currently selected item.
Confirm the setting.

- Press the **POWER** button.
The Home Menu will appear.

• Home Menu



① Selects Internet@TV.

② Selects Videos.

③ Selects Music.

④ Selects Photos.

⑤ Selects Settings.

⑥ Displays the buttons available.

- Press the **◀▶** buttons to select **Settings**, then press the **ENTER** button.
- Press the **▲▼** buttons to select the desired submenu, and then press the **ENTER** button.
- Press the **▲▼** buttons to select the desired item, and then press the **ENTER** button.

☞ NOTE

- When the player is connected to the network, select **Internet@TV** from the Home menu. Download desired content from **Samsung Apps**. (See page 64)
- The access steps may differ depending on the menu you select.
- The OSD (On Screen Display) may change in this player after you upgrade the software version.

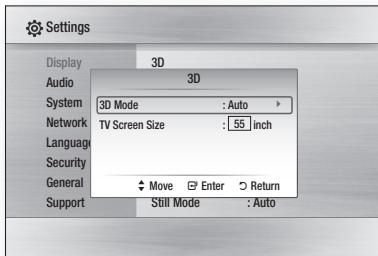
Setup

Display

You can configure various display options such as the TV Aspect, Resolution, etc.

3D

To play a 3D disc, you must connect the player to your TV using an HDMI cable. You can not play a Blu-ray Disc with 3D contents using this player's Built-in LCD Panel.



Select whether to play a Blu-ray Disc with 3D contents in 3D Mode.

3D Mode

- **Auto** : You can choose whether to watch a 3D Blu-ray disc in 3D or 2D mode before playing the 3D Blu-ray. It is automatically played in 2D mode if your TV cannot support 3D contents.
- **3D** : The 3D Blu-ray Disc is played in 3D mode at all times. If a TV cannot support 3D Blu-ray discs, the playing screen can be black.
- **2D** : The 3D Blu-ray Disc is played in 2D mode at all times. Choose this to view a picture without 3D effect or when a TV cannot support 3D Blu-ray discs.

NOTE

- If you press the **STOP**(■) button once during the 3D disc playback, 3D mode option will not be deactivated.
To activate 3D mode option during the 3D disc playback, press the **STOP**(■) button twice.
- Depending on the content and position of the picture on your TV screen, you may see vertical black bars on the left or right or both sides.

TV Screen Size

Lets you enter the actual screen size of your TV so that the player can adjust the image according to the screen size and display an optimal 3D image.
(The maximum allowed screen size is 116 inches for this player.)

! CAUTION

- If you want to enjoy 3D content, connect a 3D device (3D compliant AV receiver or TV) to the player's HDMI OUT port using high-speed HDMI cable. Put on 3D glasses before playing the 3D content.
- While you watch 3D video, the player blocks all analog component and composite signals automatically.
- The player outputs 3D signals only through HDMI cable connected to the HDMI OUT port.
- As the video resolution in 3D play mode is fixed according to the resolution of the original 3D video, you can not change the resolution to your preference.
- Some functions such as BD Wise, screen size adjustment, and resolution adjustment may not operate properly in 3D play mode.
- You must use a high-speed HDMI cable for proper output of the 3D signal.
- Stay at least three times the width of the screen from the TV when watching 3D images. For example, if you have 46 inch TV, stay 138 inches (11.5 ft.) from the TV.
 - Place the 3D video screen at eye level for the best 3D picture.
- When the product is connected to some 3D devices, the 3D effect may not function properly.
- This player does not convert 2D content to 3D.
- "Blu-ray 3D" and "Blu-ray 3D" logo are trademarks of Blu-ray Disc Association.
- If the player is connected to a 3D TV through an HDMI cable, the LCD ON/OFF button is disabled. If pressed, the player displays the prohibited icon.

LCD Backlight

Selects the brightness of the backlight.
The default brightness level is 5.
The closer to 10, the brighter the backlight.

NOTE

- If you increase LCD Backlight Level, the operating time in Battery-mode will be reduced.
For Longer Battery-mode operating time, please set LCD Backlight option to "5" or lower value.

TV Aspect Ratio (Screen Size)

Depending on the type of television you have, you may want to adjust the screen size setting.

• 16:9 Normal



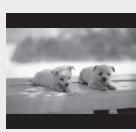
The player plays 4:3 source movies in 4:3 Pillar-box (black bars on sides of picture) on your wide screen TV if you select 16:9 normal.

• 16:9 Wide



Select to view a movie with an aspect ratio of 16:9 (wide screen) in full 16:9 wide screen on your widescreen TV.

• 4:3 Letter Box



Select when you want to see full 16:9 ratio images supplied by a Blu-ray Disc/DVD, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

• 4:3 Pan-Scan



Select when you want to see the 16:9 video supplied by the Blu-ray Disc/DVD without the black bars on top and bottom, even though you have a TV with a 4:3 ratio screen. The extreme left and right portion of the movie picture will be cut off.

NOTE

- Depending on the disc type, some aspect ratios may not be available.
- If you select an aspect ratio and option which is different than the aspect ratio of your TV screen, the picture might appear distorted.

BD Wise (Samsung Players only)

BD Wise is Samsung's latest inter-connectivity feature.

When you connect Samsung players with BD Wise to a Samsung TV via HDMI, the optimum resolution is set automatically.

- On** : The original resolution of the BD/DVD disc is output to the TV.
- Off** : The output resolution is fixed at the resolution previously set, regardless of the resolution of the disc.

NOTE

- If you want to change the resolution in BD Wise, you must set BD Wise to **Off** in advance.
- If you set BD Wise off, the resolution of the connected TV is adjusted to its maximum resolution automatically.
- If the player is connected to a device that does not support BD Wise, you can not use the BD Wise function.
- For proper operation of BD Wise, set the BD Wise menu of both the product and the TV to **On**.

Resolution

Sets the output resolution of the HDMI video signal to 1080p, 1080i, 720p, or 480p. The number indicates the number of lines of video per frame. The i and p indicate interlaced and progressive scan, respectively. The more lines, the higher the quality.

- BD Wise** : Automatically sets the optimal resolution when you connect the player to a TV with the BD Wise feature. (The BD Wise menu item appears only if BD Wise is set to On.)
- Auto** : Automatically checks and sets the optimal resolution.
- 1080p** : Outputs 1080 lines of progressive video.
- 1080i** : Outputs 1080 lines of interlaced video.
- 720p** : Outputs 720 lines of progressive video.
- 480p** : Outputs 480 lines of progressive video.

Setup

Resolution according to the output mode

Setting	Output	HDMI is Connected			HDMI is not Connected	
		Built-In LCD	HDMI out	AV out	Built-In LCD	AV out
Auto	Automatically turned off (If user press "LCD ON/OFF" button on the remote control, then Standard Definition Picture will be displayed.)	Automatically set to optimal resolution.	480i	Resolution is fixed internally as High Resolution.	480i	480i
1080p, Movie Frame(24Fs) off			1080p@60Hz		480i	480i
1080p/1080i, Movie Frame(24Fs) on		1080p@24Hz	480i		480i	480i
1080i, Movie Frame(24Fs) off		1080i	480i		480i	480i
720p		720p	480i		480i	480i
480p		480p	480i		480i	480i

NOTE

- If the connected TV does not support Movie Frame or the selected resolution, the message "If no pictures are shown after the selection, please wait for 15 seconds. And then, the resolution will be reverted to the previous value automatically. Would you like to make a selection?" appears.
If you select **Yes** and the resolution is not supported, the TV's screen will be blank. Please wait for 15 seconds and the resolution will revert to the previous value automatically.
- If the screen is blank, press and hold the **STOP (■)** button on the front of the product for more than 5 seconds (no disc inserted). All settings are restored to the factory default. Follow the steps on the previous page to access each mode and select the Display Setup that your TV will support.
- When the factory default settings are restored, all stored user BD data is deleted.
- The Blu-ray Disc must have the 24 frame feature to use the Movie Frame (24Fs) mode.

HDMI Format

You can optimize the color setting from the HDMI output by selecting a connected device Type.

- **TV** : Select if connected to a TV via HDMI.
- **Monitor** : Select if connected to a Monitor via HDMI.

Movie Frame (24Fs)

Setting the Movie Frame (24Fs) feature to **On** allows you to adjust the player's HDMI output to 24 frames per second for improved picture quality. You can enjoy the Movie Frame (24Fs) feature only on a TV supporting this frame rate. This menu can only be selected in 1080i or 1080p HDMI output resolution modes.

- **Off** : Movie Frame (24Fs) functions is off.
- **On** : Movie Frame (24Fs) functions is on.

NOTE

- If your TV does not support Movie Frame (24Fs) function, the player displays a pop-up message.
- This option does not affect the picture on the Built-in LCD Panel. The LCD panel always displays 60 frames per second.

Progressive Mode

Set to improve picture quality when viewing DVDs.

- **Auto** : Select to have the player automatically set the best picture for the DVD you're watching.
- **Video** : Select for the best picture quality from concert or TV show DVDs.

Still Mode

Set the type of picture the player shows when you pause DVD playback.

- **Auto** : Automatically show the best still picture depending on the content.
- **Frame** : Select when pausing a scene with a little action.
- **Field** : Select when pausing a scene with a lot of action.

HDMI Deep Color

Set to output the picture from the HDMI OUT jack with Deep Color or without. Deep Color allows more accurate color reproduction with deeper color depth.

- **Auto** : The picture is output with Deep Color to the connected TV if it supports HDMI Deep Color.
- **Off** : The picture is output without Deep Color.

Audio

Digital Output

Lets you set the audio output format according to the capabilities of your amplifier. (For more details, see the digital output selection on the next page.)

- **PCM**
- **Bitstream (Re-encode)**
- **Bitstream (Audiophile)**

NOTE

- Be sure to select the correct Digital Output or you will hear no sound or a loud noise.
- If the HDMI device (Receiver, TV) is not compatible with a compression format (Dolby digital, DTS), the audio signal outputs as PCM.
- Regular DVDs do not have Secondary and Effect audio.
- Some Blu-ray Discs do not have Secondary and Effect audio.
- This Digital Output setup does not affect the analog (L/R) audio or HDMI audio output to your TV. It affects the optical and HDMI audio output when the player is connected to a receiver.
- If you play MPEG audio soundtracks, the audio signal outputs as PCM regardless of Digital Output Selections (PCM or Bitstream).

Setup

Digital Output Selection

Setup		PCM		Bitstream (Re-encode)	Bitstream (Audiophile)	
Connection		HDMI Receiver	Optical	HDMI Receiver or Optical	HDMI Receiver	Optical
Audio Stream on Blu-ray Disc	PCM	Up to 7.1ch	PCM 2ch	DTS re-encoded	PCM	PCM 2ch
	Dolby Digital	Up to 5.1ch	PCM 2ch	DTS re-encoded	Dolby Digital	Dolby Digital
	Dolby Digital Plus	Up to 7.1ch	PCM 2ch	DTS re-encoded	Dolby Digital	Dolby Digital
	Dolby TrueHD	Up to 7.1ch	PCM 2ch	DTS re-encoded	Dolby Digital	Dolby Digital
	DTS	Up to 6.1ch	PCM 2ch	DTS re-encoded	DTS	DTS
	DTS-HD HRA	Up to 7.1ch	PCM 2ch	DTS re-encoded	DTS	DTS
	DTS-HD MA	Up to 7.1ch	PCM 2ch	DTS re-encoded	DTS	DTS
Audio Stream on DVD	PCM	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch	PCM 2ch
	Dolby Digital	Up to 5.1ch	PCM 2ch	Dolby Digital	Dolby Digital	Dolby Digital
	DTS	Up to 6.1ch	PCM 2ch	DTS	DTS	DTS
Definition for Blu-ray Disc	Any	Decodes Primary, Secondary and Effect audio streams together into PCM audio.		Decodes Primary, Secondary and Effect audio streams together into PCM audio, then re-encodes the PCM audio into DTS bitstream.	Outputs only the Primary audio soundtrack (main soundtrack of the movie) so that your receiver can decode the audio bitstream. You will not hear Secondary and Effect audio.	

Blu-ray Discs may include three audio streams.

- Primary Audio : The audio soundtrack of the main feature
- Secondary Audio : Additional soundtrack such as director or actor's commentary.
- Interactive Audio : Plays Interactive audio when selected. Interactive Audio is different on each Blu-ray Disc.

PCM Downsampling

Select whether to downsample 96KHz signals.

- **Off** : Select this when the Amplifier connected to the player is 96KHz compatible.
- **On** : Select when the Amplifier connected to the player is not 96KHz compatible. 96KHz signals are down converted to 48KHz.

NOTE

- Even when PCM Downsampling is set to **Off**, some discs will only output downsampled audio through the optical digital outputs.

HDMI

- If your TV is not compatible with compressed multi-channel formats (Dolby Digital, DTS), the player may output PCM 2ch downmixed audio even though you set Bitstream (either Re-encode or Audiophile) on your setup menu.
- If your TV is not compatible with PCM sampling rates over 48kHz, the player may output 48kHz downsampled PCM audio even though you set PCM Downsampling to **Off**.

Dynamic Range Control

You can listen at low volumes but still hear dialog clearly.

This is only active when the player detects a Dolby Digital signal.

- **Auto** : The Dynamic Range Control is set automatically based on the information provided by the Dolby TrueHD Soundtrack.
- **Off** : Turn Dynamic Range Control off.
- **On** : Choose to listen to a movie at a lower volume without losing clarity of dialog.

Downmixing Mode

Select whether to downmix the multi-channel audio into fewer channels.

- **Normal Stereo** : Downmixes the multi-channel audio into two channel stereo. Choose when connected to equipment that does not support virtual surround functions such as Dolby Pro Logic.
- **Surround Compatible** : Downmixes multi-channel audio into surround compatible stereo. Choose when connected to equipment that supports virtual surround functions such as Dolby Pro Logic.

Virtual Surround

You can enjoy a multi-channel, surround sound like effect even when you are listening to multi-channel audio through 2 channel speaker or headphones or earphones.

- **Off** : Tune Virtual Surround off.
- **Virtual Speaker** : Select when using 2CH speaker.
- **Virtual Headphone** : Select when using headphones or earphones.

DTS Neo:6

You can enjoy multi-channel sound from a 2-channel audio source.

- **Off** : Outputs a 2-channel audio signal through the front speakers only.
- **Cinema** : Outputs 2-channel movie sound over multi-channels.
- **Music** : Outputs 2-channel music over multi-channels.

NOTE

- If you are using an HDMI receiver, this option is available when you set Digital Output setup to PCM.
- You can use this option with analog 7.1ch output when you don't use an HDMI receiver.

Setup

System

Initial Settings

By adjusting the Initial Settings, you can set the language, TV aspect ratio, and Network Settings, etc.

For more information on the settings, refer to the corresponding section in this user manual.
(See pages 34~49)

Internet@TV Screen Size

Set the Internet@TV Screen to the optimal size.

- **Size 1** : Display smaller application icons.
You may see some black on the sides of the screen.
- **Size 2** : Display normal application icons.
- **Size 3** : Display larger application icons.
The image may be too large for your TV screen.

Anynet+(HDMI-CEC)

Anynet+ is a convenient function that offers linked operations with other Samsung products that have the Anynet+ feature.

To operate this function, connect this player to an Anynet+ Samsung TV with an HDMI cable.
You can operate this player using a Samsung TV remote control and start disc playback simply by pressing the **PLAY** (▶) button on the TV's remote control.

For more information, please see the TV user's manual.

- **Off** : Anynet+ function is off.
- **On** : Anynet+ function is on.

NOTE

- This function is not available if the HDMI cable does not support CEC.
- If your Samsung TV has an **Anynet+** logo, then it supports the Anynet+ function.
- Depending on your TV, certain HDMI output resolutions may not work.
Please refer to the user's manual of your TV.

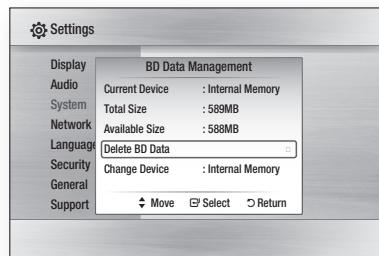
BD Data Management

Lets you manage the downloaded contents you accessed through a Blu-ray Disc that supports the BD-LIVE service.

You can check the device information including the storage size, delete the BD data, or change the Flash memory device.

Change Device allows you to select either the player's Internal Memory or External Memory (a connected USB Device).

If the data to be stored from BD-LIVE is greater than the size of the remaining memory or the Internal Memory is full, connect an External USB device, then select External Device in the menu.



Description of Device (Storage) Information on the Player

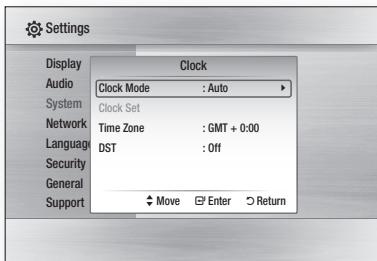
- **Total Size** : Total memory size of the Device (Storage).
- **Available Size** : Available memory in the Device (Storage).

NOTE

- In the external memory mode, disc playback is stopped if you disconnect the USB device in the middle of playback.
- Only those USB devices formatted in the FAT file system (DOS 8.3 volume label) are supported. We recommend you use USB devices that support the USB 2.0 protocol with 4 MB/sec or faster read/write speed.
- The Resume Play function may not work after you format the storage device.
- The total memory available for BD Data Management may vary, depending on the conditions.

Clock

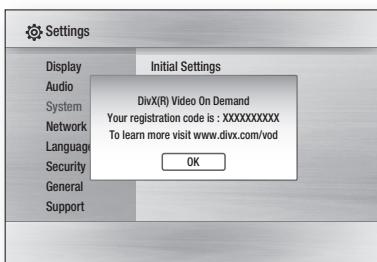
Set time-related functions.



- **Clock Mode** : You can set it to **Auto** or **Manual**. If you select **Manual**, the **Clock Set** menu is activated and **DST** is deactivated.
- **Clock Set** : You can specify the current time and date manually.
- **Time Zone** : You can specify the time zone that is applicable to your area.
- **DST** : You can set DST (Daylight Saving Time) to off, 1 hour, or 2 hours.

DivX(R) Registration

View the DivX(R) VOD Registration Code to purchase and play DivX(R) VOD content.

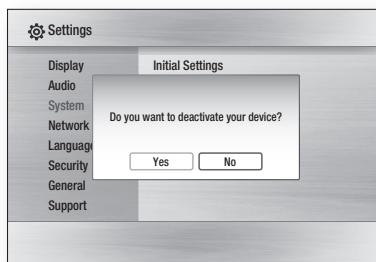


NOTE

- This option is not activated if you select **OK**. To activate this option, please activate the DivX(R) Deactivation.

DivX(R) Deactivation

Select to get a new DivX(R) registration code.



NOTE

- You can operate this function when the DivX(R) Registration function is deactivated.

Network Setting

To begin setting up the network connection for your player, follow these steps:

1. In the Home menu, press the **◀▶** buttons to select **Settings**, and then press the **ENTER** button.
2. Press the **▲▼** buttons to select **Network**, and then press the **ENTER** button.
3. Press the **▲▼** buttons to select **Network Settings**, and then press the **ENTER** button.
4. Press the **▲▼** buttons to select **Network Type**, and then press the **ENTER** button.
5. Press the **▲▼** buttons to select **Wired** or **Wireless**, and then press the **ENTER** button.
6. Go to the next section.

Network Settings

Please contact your ISP to find out if your IP address is static or dynamic. If it is dynamic, we recommend using the Auto setting. This is the easiest and will work in the majority of cases. If it is static, you must use the manual set up procedure. Directions for wired networks are below. Directions for wireless networks are after the directions for wired networks.

Setup

Wired Network

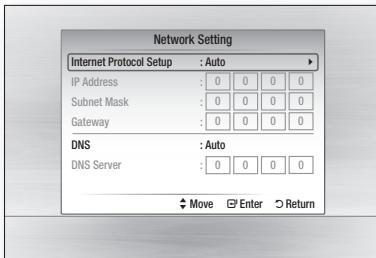
1. In the Network Settings menu, press the **▲▼** buttons to select **Network Settings**, and then press the **ENTER** button.
The Internet Protocol Setup screen appears.
2. Press the **▶** button, then select **Auto** or **Manual**, and then press the **ENTER** button.

Setting Up a Wired Connection - Auto

1. If you selected **Auto**, the Network Function acquires and fills in the values for IP Address, Subnet Mask, etc., automatically.

NOTE

- This process can take up to five minutes.



2. After the Network Function has acquired the network values, press the **RETURN** button. Then, run a Network Test to ensure the player has connected to your network (See page 47).
3. If the Network Function does not acquire the network values or you selected Manual, go to the directions for Manual Setup.

Setting Up a Wired Connection - Manual

If the Auto Setting does not work, you'll need to set the Network Setting values manually.

To view the Network setting values on most Windows computers, follow these steps:

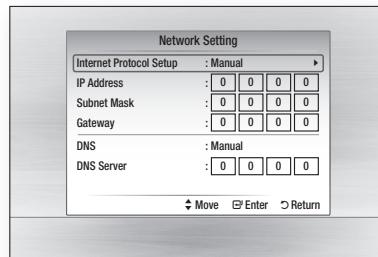
1. Right click the Network icon on the bottom right of the screen.
2. In the pop-up menu, click Status.
3. On the dialog that appears, click the Support tab.
4. On the Support tab, click the Details button. The Network settings are displayed.

NOTE

- When setting manually, you can only enter numbers on the remote control.

To enter the Network settings into your player, follow these steps:

1. On the Internet Protocol Setup screen, press the **ENTER** button.
2. Press the **▲▼** buttons to select **Manual**, and then press the **ENTER** button.
3. Press the **▼** button to go to the first entry field (IP Address).



4. Use the number buttons on your remote to enter numbers.
5. When done with each field, use the **▶** button to move successively to the next field. You can also use the other arrow buttons to move up, down, and back.
6. Enter the **IP Address**, **Subnet Mask**, and **Gateway** values.

7. Press the **▼** button to go to **DNS**.
8. Press the **▼** button to go to the first DNS entry field. Enter the numbers as above.
9. Press the **RETURN** button on your remote.
10. Run a Network Test to ensure the player has connected to your network (See page 47).

Wireless Network

You can setup the wireless connection three ways:

- Using PBC (WPS)
- Using the Auto Network Search function.
- Manually.

Each method is described below.

Setting Up the Wireless Network Connection - PBC (WPS)

The easiest way to set up the wireless network connection is using the PBC (WPS) function. If your wireless router has a PBC (WPS) button, follow these steps:

1. In the Network Settings menu, press the **▲▼** buttons to select **Network Settings**, and then press the **ENTER** button.
The Internet Protocol Setup screen appears.
2. Press the **RED (A)** button.
3. Press the **PBC (WPS)** button on your router within two minutes. Your player displays the Network Selection Screen, and automatically acquires all the network setting values it needs and connects to your network. When it is done, it displays an **OK** button. Press the **ENTER** button on your remote.
4. After the network connection is set up, press the **RETURN** button to exit the Network Setting screen.

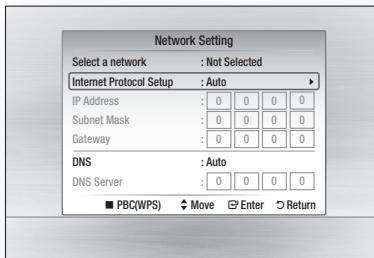
Setting Up the Wireless Network Connection - Auto Network Search

Most wireless networks have an optional security system that requires devices that access the network to transmit an encrypted security code called an Access or Security Key. The Security Key is based on a Pass Phrase, typically a word or a series of letters and numbers of a specified length you were asked to enter when you set up security for your wireless network. If you use this method of setting up the network connection, and have a Security Key for your wireless network, you will have to enter the Pass Phrase during the setup process.

■ Setting Up the Network Connection

To set up the wireless connection using Auto Network Search, follow these steps:

1. In the Network Settings menu, press the **▲▼** buttons to select **Network Settings**, and then press the **ENTER** button.
The Internet Protocol Setup screen appears.
2. Press the **▲▼** buttons to select the **Internet Protocol Setup**, and then press the **ENTER** button.
3. Press the **▲▼** buttons to select **Auto** or **Manual**, and then press the **ENTER** button.
4. If you selected **Auto**, press the **▲** button to go to **Access Point Selection**, and then press the **ENTER** button.
The Network function searches for available wireless networks.
When done, it displays a list of the available networks.



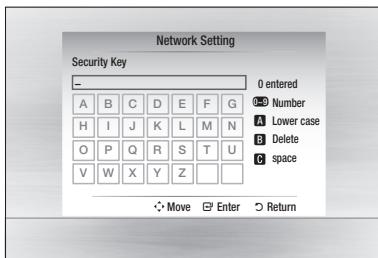
Setup

- In the list of networks, press the **▲▼** buttons to select a network, and then press the **ENTER** button.
- If the PIN/Security pop-up appears, go to Step 7. If the Network Connecting Screen appears, go to Step 11.
- Press the **▲▼** buttons to select PIN or Security. For most home networks, you would select Security (for Security Key).
- On the Security screen, enter your network's Pass Phrase.

NOTE

- You should be able to find the Pass Phrase on one of the set up screens you used to set up your router or modem.
- You can only enter PIN/Security numbers on the remote control.

- To enter the Pass Phrase, follow these general directions:



- Press the number keys on your remote to enter numbers.
- Use the arrow keys on your remote to move from button to button on the Security Key screen.
- Pressing the **RED (A)** button lets you change the text displayed on the buttons to lower case, upper case or icons.

To enter a letter or symbol, move the cursor to the letter or symbol, and then press the **ENTER** button.

- To delete the last letter or number you entered, press the **GREEN (B)** button.

- When done, press the **BLUE (D)** button on your remote, and then press the **ENTER** button.

- Wait until the connection confirmation message is displayed, and then press the **ENTER** button. The Network Settings screen reappears.
- To test the connection, press the **▼** button to select **Network Test**, and then press the **ENTER** button.

Setting Up the Wireless Network Connection - Manual

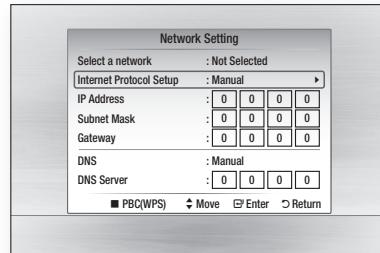
If the Auto Setting does not work, you need to enter the Network setting values manually.

To view the Network setting values on most Windows computers, follow these steps:

- Right click the Network icon on the bottom right of the screen.
- In the pop-up menu, click Status.
- On the dialog that appears, click the Support tab.
- On the Support tab, click the Details button. The Network settings are displayed.

To Enter the Network settings into your player, follow these steps:

- On the Internet Protocol Setup screen, press the **ENTER** button.
- Press the **▲▼** buttons to select **Manual**, and then press the **ENTER** button.
- Press the **▼** button to go to the first entry field (IP Address).

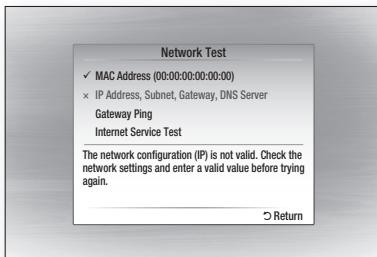


- Use the number buttons to enter numbers.
- When done with each field, use the **►** button to move successively to the next field. You can also use the other arrow buttons to move up, down, and back.

- Enter the **IP Address**, **Subnet Mask**, and **Gateway** values.
- Press the **▼** to go to **DNS**.
- Press the **▼** button to go to the first DNS entry field. Enter the numbers as above.
- When done, press the **▲** button to return to Access Point Selection. Select the network, and then press the **ENTER** button.
- Go to Step 6 in the Automatic Wireless procedure above, and follow the directions from that point on.

Network Test

Use this menu to connect to the wired network or check whether your network connection is working or not.



Network Status

Check whether a connection to the network and the Internet have been established.

BD-LIVE Internet Connection

Select whether to allow an Internet connection when you are using the BD-LIVE service.

- Allow (All)** : The Internet connection is allowed for all BD-LIVE contents.
- Allow (Valid Only)** : The Internet connection is allowed only for BD-LIVE contents containing a valid certificate.
- Prohibit** : No Internet connection is allowed for any BD-LIVE content.

NOTE

What is a valid certificate?

When the player uses BD-LIVE to send the disc data and a request to the server to certify the disc, the server uses the transferred data to check if the disc is valid and sends the certificate back to the player.

- The Internet connection may be restricted while you are using BD-LIVE contents.

Language

You can select the language you prefer for the Home menu, disc menu, etc.

- On-Screen Menu** : Select the language for the on-screen displays.
- Disc Menu** : Select the language for the disc menu displays.
- Audio** : Select the language for disc audio.
- Subtitle** : Select the language for disc subtitles.

NOTE

- The selected language only appears if it is supported on the disc.

Security

When you operate this menu for the first time, the password setup screen appears.

Enter a desired 4-digit password using the number buttons.

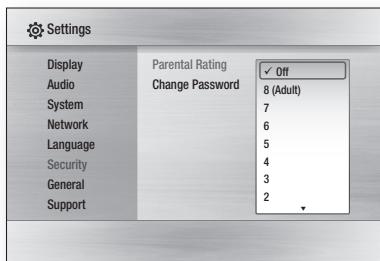
Parental Rating

The Parental Rating works in conjunction with Blu-ray Disc/DVDs that have been assigned a rating, which helps you control the types of Blu-ray Disc/DVDs that your family can watch.

To use this function, select a rating level that restricts the player to playing discs with ratings appropriate for your family.

A larger number indicates that the program is intended for adult audiences only. When you select a rating number, you should select the highest rating number you want the player to be able to play. For example, if you select Level 6, the player will play discs rated 6 and below, and will not play discs rated Level 7 or 8.

Setup



Change Password

Change the 4-digit password used to access security functions.

If you forgot your password

1. Remove the disc.
2. Press and hold the **STOP (■)** button on the front panel for 5 seconds or more.
All settings will revert to the factory settings.

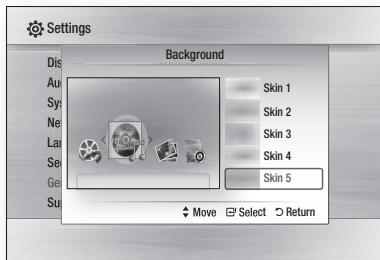
NOTE

- When the factory default settings are restored, all stored user BD data is deleted.

General

Background

Change the background theme of the menu screen.



Energy Saving

You can maximize operating time in Battery Mode by selecting Energy Saving mode.

If you set Energy Saving to On, power consumption will be lower than the default setting.

- **Off** : Energy Saving function is not used.
- **On** : Sets the following energy saving options automatically:
 - a. LCD Backlight to "3"
 - b. Volume to "10" for both earphones and speakers

NOTE

- You can change the LCD Backlight or volume option after you set the Energy Saving mode to On.

Power On/Off Sound

Player plays a melody when it is turned on and off.

- **Off** : Turn Power Sound Off.
- **On** : Turn Power Sound On.

Light Effect

You can activate or deactivate the touch button light effect.

- **Always On** : Activate Light Effect at all times.
- **Off** : Only activate the Light Effect when you turn the player on and off or you press the touch button.

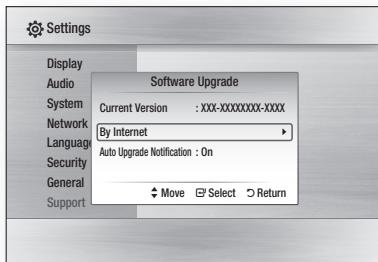
NOTE

- We recommend that you select Off for longer operating time in the Battery Mode.

Support

Software Upgrade

The Software Upgrade menu allows you to upgrade software for performance improvements or additional services. You can check the current software version, upgrade using the Internet and set the Auto upgrade notification. If the player is properly connected to the network by cable or wirelessly, the player automatically connects to Samsung's website each time it is turned on and downloads update files if any valid upgrade exists.



1. To select **By Internet**, press the **ENTER** button.
A popup message appears if an update is available, asking if you want to upgrade.
2. If you select **Yes**, the player turns off automatically, restarts, and then begins the upgrade. (Do not turn it on manually here.)
3. The update progress popup appears. When the update is complete, the player turns off again automatically.
4. Press the **POWER** button to turn on the player.

NOTE

- The Update is complete when the player turns off after restarting. Press the **POWER** button to turn on the updated player for your use.
Never turn the player off or on manually during the update process.
- Samsung Electronics shall take no legal responsibility for player malfunction caused by an unstable internet connection or consumer negligence during a software upgrade.

You can also update software in the two ways listed below. The software update process is essentially the same as that in the **By Internet** option.

- **USB** : Visit www.samsung.com/bluraysupport, then download and store the latest software (RUF file) onto a USB flash drive. Connect the USB flash drive to the USB port of the player (the disc tray must be empty) to update the software, then follow the on-screen instructions.
- **CD/DVD** : Visit www.samsung.com/bluraysupport, download and write the latest software (RUF file) onto a disc. Insert and play the disc in the player to start the update, then follow the on-screen instructions.

NOTE

- Software upgrades using the USB Host jack must be performed with no disc inside.
- If you want to cancel the upgrade in the process of downloading the upgrade data, press the **ENTER** button.
- When the system upgrade is done, check the software details in the software Upgrade menu.
- Do not turn off the player during the System Upgrade. It may cause the player not to work properly.
- Software upgrades using the USB Host jack must be performed with a USB memory flash stick only.

Contact Samsung

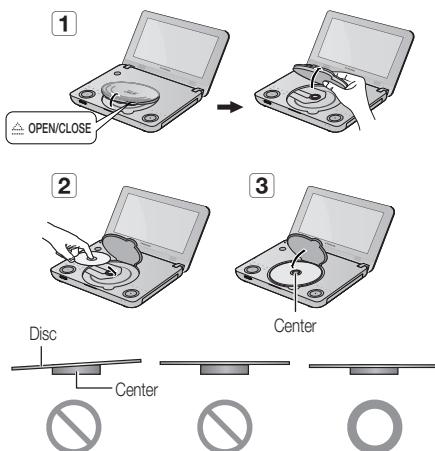
Provides contact information for assistance with your player.

Basic Functions

Playing a Disc

Playback

1. Press the **OPEN/CLOSE** (▲) button to open the disc cover.
 - The disc cover opens up to around a 15-degree angle automatically. And then lift the disc cover up to around a 60-degree angle to insert/remove the disc. Do not attempt to open the cover to an angle beyond this range. The cover may become damaged.
2. Place a disc gently into the tray.
 - You should hear and feel the disc snap firmly into place.
 - Place a disc into the tray with the disc's label facing up.
3. Press the **OPEN/CLOSE** (▲) button to close the disc cover until it clicks shut.



! CAUTION

- Make sure you place the disc in the center of the disk tray. If the disc is not positioned properly, it may not play.

Opening the Disc Cover

- In the Stop mode: Press the **OPEN/CLOSE** (▲) button.
- In the Play mode: Press the **STOP** (■) button on your player or on the remote control first and then press the **OPEN/CLOSE** (▲) button.

Closing the Disc Cover

Press the **OPEN/CLOSE** (▲) button to close the disc cover until it clicks shut.

! NOTE

- We recommend that you open the Disc Cover in the stop mode.
- When you press the **OPEN/CLOSE** (▲) button during playback, the disc inside the tray may continue to spin for a short period of time. This is not a malfunction.
- For your safety, please do not touch the disc with your finger if the disc is not fully stopped.
- Please do not place heavy things on the Disc Cover to prevent interruption of disc loading.

Playback related buttons

PLAY (▶)	Starts playback.
STOP (■)	Stops playback. <ul style="list-style-type: none">• If you press the button once : The stop position is memorized.• If you press the button twice : The stop position is not memorized.
PAUSE (■)	Pauses playback.

! NOTE

- For some discs, pressing the **STOP** (■) button once may not memorize the resume position.

Disc Structure

The contents of disc are usually divided as below.

• Blu-ray Disc, DVD-VIDEO



• Audio CD (CD-DA)



• MP3, WMA, DivX, MKV and MP4



Using the Disc menu/Title menu/ Popup menu

Using the Disc Menu



1. During playback, press the **DISC MENU** button on the remote control.
2. Press the **▲▼◀▶** buttons to make the desired selection, then press the **ENTER** button.

NOTE

- Depending on the disc, the menu items may differ or this menu may not be available.

Using the Title Menu



TITLE MENU
POPUP

1. During playback, press the **TITLE MENU** button on the remote control.
2. Press the **▲▼◀▶** buttons to make the desired selection, then press the **ENTER** button.

NOTE

- Depending on the disc, the menu items may differ or this menu may not be available.

Playing the Title List



DISC MENU
TITLE MENU
POPUP

1. During playback, press the **DISC MENU** or **TITLE MENU** button.
2. Press the **▲▼** buttons to select an entry you want to play from Title List, then press the **ENTER** button.

NOTE

- If your disc has a playlist, press the **GREEN (B)** button to go to the Playlist.

Using the Popup Menu



TITLE MENU



1. During playback, press the **POPUP MENU** button on the remote control.
2. Press the **▲▼◀▶** buttons or **ENTER** button to select the desired menu.

NOTE

- Depending on the disc, the menu items may differ or this menu may not be available.

Using the Search and Skip Functions

During play, you can search quickly through a chapter or track, and use the skip function to jump to the next selection.

Searching for a Desired Scene



- During playback, press the **SEARCH** (◀▶) button.

Each time you press the **SEARCH** (◀▶) button, the playback speed changes as follows:

BD-ROM, BD-RE/R, DVD-RW/R, DVD+RW/R, DVD-VIDEO	▶▶ 1 → ▶▶ 2 → ▶▶ 3 → ▶▶ 4 → ▶▶ 5 → ▶▶ 6 → ▶▶ 7 ◀◀ 1 → ▲ 2 → ▲ 3 → ◀◀ 4 → ▲ 5 → ▲ 6 → ▲ 7
DivX, MKV, MP4	▶▶ 1 → ▶▶ 2 → ▶▶ 3 ◀◀ 1 → ▲ 2 → ▲ 3

- To return to normal speed playback, press the **PLAY** (▶) button.

NOTE

- No sound is played during search mode.

Basic Functions

Skipping Chapters



- During playback, press the **SKIP** (◀▶) button.

If you press the **SKIP** (◀) button, the disc moves to the next chapter.

If you press the **SKIP** (▶) button, the disc moves to the beginning of the chapter. One more press makes the disc move to the beginning of the previous chapter.

Slow Motion Play/Step Motion Play

Slow Motion Play



- In pause mode, press the **SEARCH** (▶) button.

Each time you press the **SEARCH** (▶) button, the playback speed is reduced as follows:
▶ 1/8 ▶ 1/4 ▶ 1/2

- To return to normal speed playback, press the **PLAY** (▶) button.

NOTE

- No sound is played during slow mode.
- Slow motion operates only in the forward direction.
- Slow motion does not operate on DivX discs.

Step Motion Play



- In pause mode, press the **PAUSE** (■) button. Each time you press the **PAUSE** (■) button, a new frame appears.
- To return to normal speed playback, press the **PLAY** (▶) button.

NOTE

- No sound is played during step mode.
- Step motion operates only in the forward direction.
- Step motion does not operate on DivX discs.

Using the **TOOLS** button

During playback, you can operate disc menu by pressing the **TOOLS** button.



Tools Menu Screen



NOTE

- Depending on the disc, the Tools menu may differ.

Moving to a Desired Scene Directly



- During playback, press the **TOOLS** button.
- Press the ▲▼ buttons to select **Title**, **Chapter** or **Playing Time**.
- Enter the desired **Title**, **Chapter** or **Playing Time** using the number buttons, then press the **ENTER** button.

Repeat the Title or Chapter



Repeat the disc title or chapter.

Depending on the disc, the Repeat function may not be available.

1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **Repeat**, then press the **ENTER** button.



3. To return to normal play, press the **TOOLS** button.
4. Press the **▲▼** buttons to select **Repeat**, then press the **ENTER** button.
5. Press the **▲▼** buttons to select **Off**, then press the **ENTER** button.

Repeat the Section



1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **Repeat**, then press the **ENTER** button.
3. Press the **▲▼** buttons to select **Repeat A-B**.



4. Press the **ENTER** button at the point where you want repeat play to start (A).
5. Press the **ENTER** button at the point where you want repeat play to stop (B).
6. To return to normal play, press the **TOOLS** button.
7. Press the **▲▼** buttons to select **Repeat**, then press the **ENTER** button.
8. Press the **▲▼** buttons to select **Off**, then press the **ENTER** button.

NOTE

- You must set Point (B) at least 5 seconds after point (A). If you don't, a warning appears.
- Depending on the disc, the menu items may differ or this menu may not be available.

Selecting the Audio Language



1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **Audio**.
3. Press the **◀▶** buttons to select the audio language you want.
 - To see more detailed information for Audio format, press the **ENTER** button. Then, you will see a pop-up menu with detailed information of audio format. If you want to change the Audio Language, press the **▲▼** buttons in this menu.

NOTE

- The **◀▶** indicator will not be displayed on the screen if the BONUSVIEW section does not contain any BONUSVIEW audio settings.
- Information about the primary / secondary mode will also be displayed if the Blu-ray Disc has a BONUSVIEW section.
Use the **◀▶** button to switch between primary and secondary audio modes.
- This function depends on which audio languages are encoded on the disc and may not be available.
- A Blu-ray Disc can contain up to 32 audio languages and a DVD up to 8.
- Some Blu-ray Discs may allow you to select either the multi-channel LPCM or Dolby digital audio soundtrack in English.

Basic Functions

Selecting the Subtitle Language



1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **Subtitle**.
3. Press the **◀▶** buttons to select the desired subtitle language.

NOTE

- This function depends on which subtitles are encoded on the disc and may not be available on all Blu-ray Discs/DVDs.
- A Blu-ray Disc can contain up to 255 subtitle languages and a DVD up to 32.
- Information about the primary / secondary mode will also be displayed if the Blu-ray Disc has a BONUSVIEW section.
- This function changes both the primary and secondary subtitles at the same time.
- The total number of subtitles is the sum of the primary and secondary ones.

Changing the Camera Angle



When a Blu-ray Disc/DVD contains multiple angles of a particular scene, you can use the **ANGLE** function.

1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **Angle**.
3. Press the **◀▶** buttons to select the desired angle.

Selecting the Picture Setting



This function let you adjust video settings for Built-in LCD and TV when there is no connection between TV via HDMI cable.

When you connect TV via HDMI cable, This function do not effect on Built-in LCD and TV connected via analog AV cable.

1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **Picture Setting**, then press the **ENTER** button.
3. Press the **◀▶** buttons to select the desired **Picture Setting**, then press the **ENTER** button.
 - **Dynamic** : Choose this setting to increase Sharpness and Brightness of LCD Backlight. (Operating time in Battterymode can be reduced if you choose this mode.)
 - **Normal** : Choose this setting for most viewing applications.
 - **Movie** : This is the best setting for watching movies.
 - **User** : You can adjust the sharpness and noise reduction functions respectively.

Setting BONUSVIEW



The BONUSVIEW feature allows you to view additional content (such as commentaries) in a small screen window while the movie is playing. This function is only available if the disc has the Bonusview feature.

1. During playback, press the **TOOLS** button.
2. Press the **▲▼** buttons to select **BONUSVIEW Video** or **BONUSVIEW Audio**.
3. Press the **◀▶** buttons to select the desired Bonusview.

NOTE

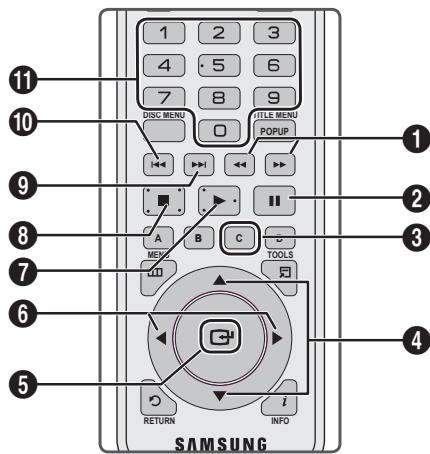
- If you switch from BONUSVIEW Video, BONUSVIEW Audio will change automatically in accordance with BONUSVIEW Video.



Listening to Music



Buttons on the Remote Control used for Music Playback



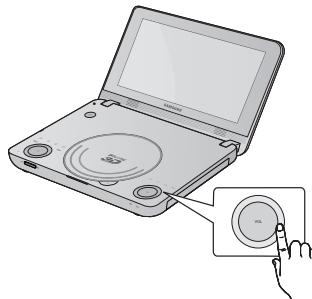
- ① **SEARCH** buttons : Fast Play.
(Audio CD (CD-DA) only)
- ② **PAUSE** button : Pauses playback.
- ③ **YELLOW (C)** button : Select or deselect a track in the music list.
- ④ **▲▼** buttons : Selects a track in the Music List or Playlist.
- ⑤ **ENTER** button : Plays and pauses the selected track.
- ⑥ **◀▶** buttons : Jump Play.
(except for the Audio CD (CD-DA))
- ⑦ **PLAY** button : Plays the currently selected track.
- ⑧ **STOP** button : Stops a track.
- ⑨ **SKIP** button : During playback, moves to the next page in the Music List or moves to the next track in the Playlist.

SKIP button : During playback, moves to the previous page in the Music List or moves to the previous track in the Playlist.

⑩ If you press this button after three seconds of playback in the Playlist, the current track is replayed from the beginning. But, if you press this button within three seconds after playback starts in the Playlist, the previous track is played.

⑪ **NUMBER** buttons : During the Playlist playback, press the desired track number. The selected track is played.

Adjusting the volume using the volume control on the player



- Touch anywhere on the outer circle of the volume control with a finger tip and, keeping in contact with the circle:

- Move your finger to the left (counterclockwise) or right (clockwise) at least 90 degrees to change volume. If you don't move your finger at least 90 degrees, the volume may not change.

- If you want adjust volume by one step (+1 or -1), move your finger about a quarter-circle.

- Moving left (counterclockwise) reduces the volume and moving right (clockwise) increases the volume.

☞ NOTE

- Touch buttons may not function if you use a fingernail or other instruments such as a ballpoint pen. Please only use your finger tip.
- You can adjust the volume on the player only. The remote has no volume control.
- The speaker volume and the earphone volume are controlled separately.

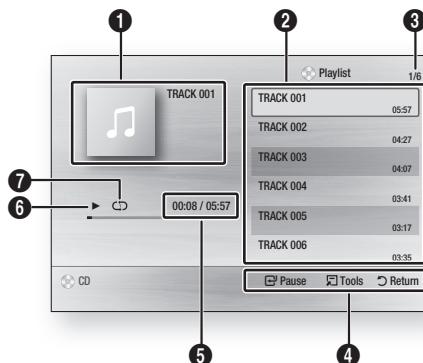
Basic Functions

- You must use adequate force to insure proper operation. If you touch the buttons lightly, the function may not work correctly.
- You must move your finger slowly for best performance. If you move your finger too quickly, the volume may not be adjusted.

Playing an Audio CD (CD-DA)/MP3

1. Insert an Audio CD (CD-DA) or an MP3 Disc into the disc tray.
 - Audio CDs (CD-DA) play automatically.
 - To start an MP3 disc, press the **◀▶** buttons to select **Music**, then press the **ENTER** button.

Audio CD (CD-DA)/MP3 Screen Elements



1. Displays the music information.
2. Displays the playlist.
3. Display the current track/total tracks.
4. Displays control buttons available.
5. Shows the current play time/total play time.
6. Displays the current playback status
7. Displays the repeated playback status.

2. Press the **▲▼** buttons to select the track you want to play, and then press the **ENTER** button.

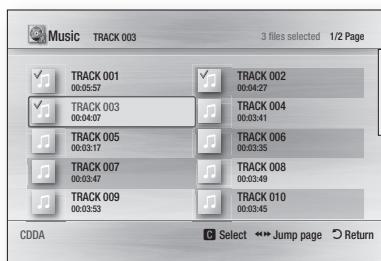
Repeat an Audio CD (CD-DA)/MP3

1. During playback, press the **TOOLS** button.
2. Select the desired Repeat Mode by pressing the **◀▶** buttons.

Off	Audio CD (CD-DA)/MP3	Tracks on a disc are played in the order in which they were recorded on the disc.
(CD) Track	Audio CD (CD-DA)	Current track is repeated.
(CD) One	MP3	Current track is repeated.
(CD) All	Audio CD (CD-DA)/MP3	All tracks are repeated.
(CD) Shuffle	Audio CD (CD-DA)/MP3	The random option plays a disc's tracks in random order.

Playlist

1. Insert an Audio CD (CD-DA) or an MP3 Disc into the disc tray.
 - Audio CDs (CD-DA) play automatically.
 - To start an MP3 disc, press the **◀▶** buttons to select **Music**, then press the **ENTER** button.
2. To move to the Music List, press the **STOP** (■) or **RETURN** button.
The Music List screen is displayed.
3. Press the **▲▼◀▶** buttons to move to the desired track, then press the **YELLOW (C)** button to check the desired track.
Repeat this procedure to select additional tracks.

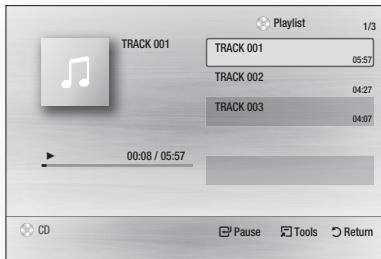


4. To remove a track from the playlist, move to the track, and then press the **YELLOW (C)** button again.

The check on the track is deleted.

5. Press the **ENTER** button to play the selected tracks.

Selected tracks play automatically.



6. To go to the Music List, press the **STOP** (■) or **RETURN** button.

7. To go to the Playlist, press the **ENTER** button.

NOTE

- You can create a playlist with up to 99 tracks on Audio CD (CD-DA).

Playing back a Picture



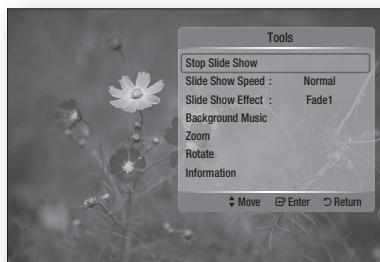
Playing a JPEG Disc

- Insert a JPEG disc into the disc tray.
- Press the ▲▼◀▶ buttons to select **Photos** and then press the **ENTER** button.
- Press the ▲▼◀▶ buttons to select the folder you want to play, and then press the **ENTER** button.
- Press the ▲▼◀▶ buttons to select the photo you want to play, and then press the **ENTER** button.

The Slide Show starts automatically.

Using the TOOLS button

During the slide show playback, you can use various function by pressing the **TOOLS** button.



- Stop Slide Show** : Select if you want to stop the slide show.
- Slide Show Speed** : Select if you want to adjust the Slide Show speed.
- Slide Show Effect** : Select if you want to set the Slide Show Effect.
- Background Music** : Select if you want to listen to music while viewing a slide show.
- Zoom** : Select if you want to enlarge the current picture. (Enlarged up to 4 times)
- Rotate** : Select if you want to rotate the picture. (This rotates the picture either clockwise or counter clockwise.)

Basic Functions

- **Information** : Shows the picture information including the name and size, etc.

NOTE

- To enable the Background Music function, both music and MP3 files must be contained in the same folder. However, the sound quality can be affected by the bit rate of the MP3 file, the size of the photo, and the encoding method.

Playing back a USB Storage Device

You can use the USB connection to play multimedia files (MP3, JPEG, DivX, etc.) downloaded from a USB storage device.

1. Move to the Home menu.
2. In Stop mode, connect the USB storage device to the USB port on the side of the player.
The message "Do you want to access the device?" appears.
3. Press the **◀▶** button to select **Yes**, then press the **ENTER** button.
4. Press the **RED (A)** button or the **BLUE (D)** button.
If you pressed the **RED (A)** button, go to Step 5.
If you pressed the **BLUE (D)** button, go to Step 4¹.



5. Press the **▲▼** buttons to select **USB**, then press the **ENTER** button.
6. Press the **◀▶** buttons to select the desired Videos, Music, or Photos, then press the **ENTER** button. Go to Step 7.

- 4¹. Press the **BLUE (D)** button, the screen below appears. Go to Step 5¹.



- 5¹. Press the **◀▶** buttons to select **USB**, then press the **ENTER** button.
- 6¹. Press the **▲▼** buttons to select the desired Videos, Music, or Photos, then press the **ENTER** button.
7. For playing back Video, Music, or Photo files, refer to pages 55~58.

NOTE

- You must remove the USB storage device safely (by performing the "Safe to Remove USB" function) to prevent possible damage to the USB memory.
Press the **MENU** button to move to the Home menu, Then, press the **YELLOW (C)** button and then press the **ENTER** button.
- If you insert the a disc when playing a USB storage device, the device mode is changed to "DVD or CD" automatically.
- External HDD devices are not supported.

Network Services

You can enjoy various network services such as Internet@TV or BD-LIVE by connecting the player to your network.

Check the following instructions before using any network service.

1. Connect the player to the network. (See pages 32~33)
2. Configure the network settings. (See pages 43~47)

Using Internet@TV

Connect this player to the network to download various for a fee or free-of-charge applications. Internet@TV brings useful and entertaining content and services directly from the web to your player such as news, weather forecasts, stock market quotes, games, movies and music.

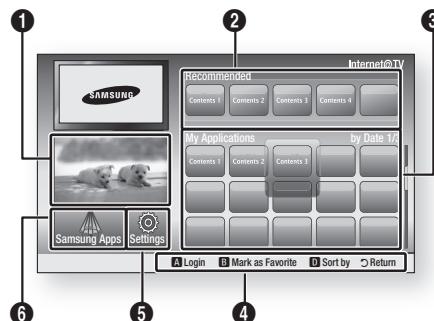
Getting Started with Internet@TV

1. Move to the Home menu.



2. Press the **◀▶** buttons to select **Internet@TV** and press the **ENTER** button.
3. In the start screen of the Internet@TV service, you will see the service agreement screen. You must agree to the service terms and conditions before you can use the Internet@TV service.
4. After you have signed off on the service agreement, the Internet@TV service starts updating. It takes several minutes. When the update is complete, you will see the Internet@TV menu screen.

Internet@TV at a Glance



① Commercial : Displays Internet@TV Guide, product information, and new application introduction.

② Recommended : Displays recommended contents managed by Samsung.

③ My Applications : Displays your personal gallery in which you can add and delete applications.

Navigation Help : Displays remote control buttons available.

- **RED (A)** : To log in to Internet@TV.
- **GREEN (B)** : To mark the application as a favorite.
- **BLUE (D)** : To sort the applications.
- **Return** : To return to the previous menu.

⑤ Settings : You can set up the system and create accounts, etc.

⑥ Samsung Apps : You can download various for a fee or free-of-charge application services.

Starting an Application

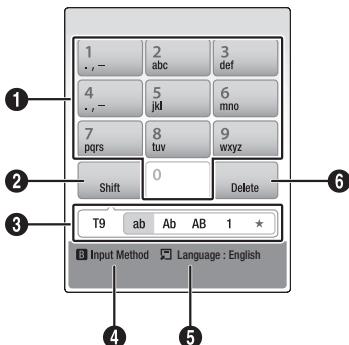
To start an application or service, follow these steps:

1. On the main Internet@TV screen, use the **▲▼◀▶** to move to the application of your choice, either in the Recommended section or the My Application section.
2. Press the **ENTER** (**□**) button. The application or service starts.
3. Follow the directions on the screen to initialize or use the application or service.

Network Services

Using the Keypad

Through your remote, you can use the On-Screen Keypad in several Internet@TV applications to enter text.



- ① The current keypad.
Use to enter characters.
- ② Press the **DISC MENU** button on the remote control to shift the input mode.
: ab, Ab, AB, numbers or icons.
- ③ Displays the current input mode.
- ④ Press the **GREEN (B)** button on the remote control to change the input method. (T9 or ABC)
- ⑤ Press the **TOOLS** button on the remote control to change the language.
- ⑥ Press the **TITLE MENU** button on the remote control to delete a character.

Entering Text and Numbers

To enter text, press the number button on the remote that corresponds to the letter you want to enter. Press the button rapidly to enter a letter that is not the first letter listed on the On-Screen keypad button. For example, if you want to enter the letter b, press the 2 button on your remote rapidly twice. To enter the first letter listed on a button, press, release, and then wait.

To move within the text, use the Arrow buttons. To delete text, move the cursor to the right of the character you want to delete, and then press the **TITLE MENU** button. To change case or enter numbers or punctuation, press the **DISC MENU** button.

NOTE

- Samsung Electronics shall take no legal responsibility for any interruption of the Internet@TV service caused by the service provider for any reasons.
- The Internet@TV service is to download and process data via the Internet so that you can enjoy the contents on your TV screen.
If the Internet connection is unstable, the service may be delayed or interrupted.
Furthermore, the player may turn off automatically.
If this occurs, check the Internet connection and try again.
- Depending on the region, English may be the only language supported for application services.
- For more information about an Internet@TV service, visit the web site of the applicable service provider.
- The provided services are subject to change, depending on the Internet@TV service provider.
- The Internet@TV service contents may differ according to the firmware version.
- For-a-fee DivX contents with copy protection can only be played using HDMI cable.
If you have connected your product to your TV using the Audio/Video cable, the DivX video signal can not output. The popup message "Connect with a HDMI cable to play this file." or "Cannot play current file." will be displayed.
- To enable volume control, please remove the HDMI cable and Audio/Video cable.
- Configure the network settings before using Internet@TV. For more information, see "Network Connection" on page 43.
- Fonts not supported by Internet@TV within a provider's content may not display normally.
- Internet@TV is not available in some locations.
- Depending on a content provider's circumstances, an application's updates or the application itself may be discontinued.
- Depending on your country's regulations, some applications may have limited service or not be supported.
- When the TV is displaying the Internet@TV screen or any of its subsidiary menu screens, you have 60 seconds to make a selection. If you don't push a button or make a selection in 60 seconds, Internet@TV closes.

Starting Internet@TV for the First Time

To start up Internet@TV for the first time, follow these steps:

1. Access Internet@TV as described on the previous page. The Internet@TV screen appears. In most cases, immediately after, the Country screen appears.
2. If the Country screen has appeared, use the **▲▼◀▶** buttons to select your country. When done, press Enter.

NOTE

- Certain applications are available only in certain countries.
- 3. The General Disclaimer screen appears. Use the **◀▶** buttons to move to Agree, and then press Enter.

NOTE

- Screens can take a few seconds to appear.
- 4. The Internet Privacy Policy screen appears. Use the **◀▶** buttons to move to Agree, and then press Enter.
- 5. The Service Update screen appears and installs a number of services and applications. When done, it closes. The applications and services downloaded are listed on the Internet@TV screen.

NOTE

- Internet@TV may close momentarily during the installation process.
- A number of screens appear after installation. You can press Enter to close them or let them close on their own.
- 6. To start an application, use the **▲▼◀▶** buttons to highlight the application, and then press Enter. The application starts.

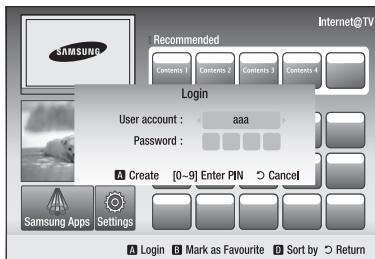
Account Login

For a more enjoyable application experience, register and log in to your account.

To do this, you must create an account first. (For instructions on creating an account, refer to Internet@TV ID on page 62.)

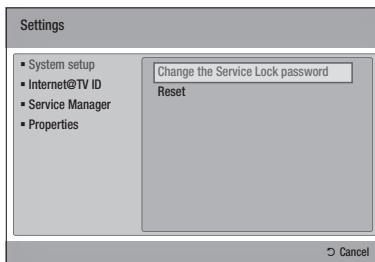
1. Press the **▲▼◀▶** buttons to select the desired application and press the **RED (A)** button.

2. Enter your user account and password.



Settings

Create IDs and configure Internet@TV settings on this screen. To accesss the Settings screen, click the **Settings** button on lower left of the main Internet@TV screen.



System Setup

Change the Service Lock password

The Service Lock password function lets you set a password that you can then use to establish password controlled access to Internet@TV services such as Netflix and Blockbuster. After you have set the password, you then set a service to locked or unlocked on the Service Manager screen. When a service is locked, you must enter the Service Lock password to access it.

To use the Service Lock function, follow these steps:

1. Highlight **Change the Service Lock password** on the Setngs screen, and then press Enter.
2. On the screen that appears, enter the current password. If this is the first time you are using the Service Lock function, enter the default password, 0-0-0-0, using your remote. The next screen appears.

Network Services

3. On the next screen, enter a new, four digit password on the first line. Enter it again on the second line to confirm.
4. The Changing Password Complete message screen appears. Press Enter or wait for the screen to close - about 5 seconds.

Reset

Resets Internet@TV to the factory default settings, removes all downloaded applications and services, erases all user settings, and then automatically begins the start-up procedure.

NOTE

- If you forgot your password, press the **STOP (■)** button on the front panel of the product for more than 5 seconds with no disc inserted. Don't use this unless absolutely necessary. Works the same as Reset.

Internet@TV ID

Use the Internet@TV ID function to create, manage, and delete personal Internet@TV accounts. Once you have established an account, you can link the account to service applications such as YouTube and Pandora. If you have an account on one of those sites, you can save the password for that account to your Internet@TV account and automatically access certain, password protected functions of that account through Internet@TV.

Create

Create an account and link it with desired service applications.

NOTE

- The maximum number of accounts is 10.
- The maximum number of characters allowed in an ID is 8.

How to Create an Internet@TV ID and Account

Before creating a **User account**, you should download the services you want to link to through **Samsung Apps** on the Internet@TV main screen. For instructions, see **Samsung Apps**.

To create an account, follow these steps:

1. On the Internet@TV main screen, use the **▲▼◀▶** buttons to select Settings, and then press the **ENTER (□)** button.

2. Press the **▼** button to select **Internet@TV ID**, and then press the **ENTER (□)** or **▶** button.
3. Select **Create**, and then press Enter. The Keypad and Internet@TV ID screens appear.
4. Use the Keypad screen to enter your ID. The instructions in the sidebar to the right explain how to use the keypad screen.
5. After you have entered your ID, press the Enter button. The Password screen appears.
6. Using the remote, enter your four digit password. This password is for your Internet@TV account only.

The Account Created screen appears. If you press the Enter button, you go to the **Service Site** screen where you can associate service sites where you have an account, such as Blockbuster, with your Internet@TV account and ID. If you press the Return button, you exit the account creation procedure. The Create Account Complete screen appears for about 5 seconds, and then closes.

7. If you pressed Enter, go to **How to Use the Service Site Screen** below. If you pressed Return, go to **Manager** on page 63.

How to Use the Service Site Screen

The Service Site screen lets you associate service sites where you have accounts with your Internet@TV account. You complete the association by entering your user ID and password for a site on the Service Site screen. After you have associated a site with your Internet@TV account, you will be able to log onto your Internet@TV account and then log onto the associated site and access certain site functions without having to enter the site ID or password.

To Use the Service Site screen, follow these steps:

1. Use the **▲▼** arrow buttons to select a Service Site you want to associate with your Internet@TV account, and then press the **ENTER (□)** button.
2. Using your remote and the on-screen Keypad, enter your site ID and password. Then, press the **ENTER (□)** button. This is the ID and password you normally use to access your account on this site.

3. If you have entered the ID and password correctly, the Registered Successfully message appears, asking you if you want to add another service site. If you do, press Enter, and then go to Step 4. If not, press Return and return to the Settings Screen.
4. If you pressed Enter, repeat Steps 1 and 2 to associate another Service site.
5. When you are done, press the Return button.

Manager

On this screen you can access the following functions:

- **Service Site** : Register login information for service sites.
- **Change Password** : Change account password.
- **Delete** : Delete an account. Instructions for using these functions are below.

Service Site

1. On the Settings screen, select **Internet@TV ID**. On the **Internet@TV ID** screen, select **Manager**, and then press Enter.
2. On the Account Management screen, use the **▲▼** arrow buttons to select your account, and then press Enter.
3. Use the **◀▶** buttons to select Service Site, and then press Enter.
4. Enter your Internet@TV password. The Service Site screen appears.
5. Use the **▲▼** to select a service site, and then press Enter. The Service ID/Password screen and the Keypad screen appears.
6. Using your remote and the on-screen Keypad, enter your site ID and password. Then, press the **ENTER (□)** button. This is the ID and password you normally use to access your account on this site.

7. If you have entered the ID and password correctly, the Registered Successfully message appears, asking you if you want to add another service site. If you do, press Enter, and then go to Step 8. If not, press Return and return to the Settings Screen.
8. If you pressed Enter, repeat Steps 5 and 6 to associate another Service site.
9. When you are done, press the Return button.

Change Password

1. On the **Internet@TV ID** screen, select **Manager**, and then press Enter.
2. On the Account Management screen, use the **▲▼** arrow buttons to select your account, and then press Enter.
3. Use the **◀▶** buttons to select **Change Password**, and then press Enter.
4. Enter your current password. The next screen appears.
5. On the next screen, enter a new, four digit password on the first line. Enter it again on the second line to confirm.
6. The **Changing Password Complete** message screen appears. Press Enter or wait for the screen to close - about 5 seconds.

Delete

1. On the **Internet@TV ID** screen, select **Manager**, and then press Enter.
2. On the Account Management screen, use the **▲▼** arrow buttons to select your account, and then press Enter.
3. Use the **◀▶** buttons to select **Delete Account** and then press Enter.
4. Enter your current password. Your account is deleted. The **Account Deleted** message appears for about 5 seconds, and then closes.

Network Services

Service Manager

Lock, unlock, and delete services and applications installed in Internet@TV. When a service or application is locked, you must enter the Service Password to access it.

Lock/Unlock

1. On the **Settings screen**, select Service Manager, and then press Enter.
2. On the Service Manager screen, use the **▲▼** arrow buttons to select an application or service.
3. Use the **◀▶** buttons to select Lock/Unlock, and then press Enter. If Locked is displayed, the service is currently locked. If Unlocked is displayed, the service is currently unlocked.
4. Enter the Service Lock Password. The Service Lock Activated or Service Lock Released message appears.
5. Press Enter.

NOTE

- Accessing a locked application requires the Service Lock Password.
- Some applications can not be locked.

Delete

1. On the **Settings screen**, select Service Manager, and then press Enter.
2. On the Service Manager screen, use the **▲▼** arrow buttons to select an application or service.
3. Use the **◀▶** buttons to select Delete, and then press Enter.
4. The message, “Do you want to delete service?” appears.
5. Press the **◀** button to go to Yes, and then press Enter. The service or application is deleted.

Properties

Displays information about Internet@TV. Use the **Check the speed of your internet connection** option to test your network connection.

Samsung Apps

Samsung Apps is a store for downloading applications and services you can use on Samsung TVs and AV equipment.

You can access and enjoy a variety of contents including videos, music, photos, games, useful information etc. using the downloaded applications.

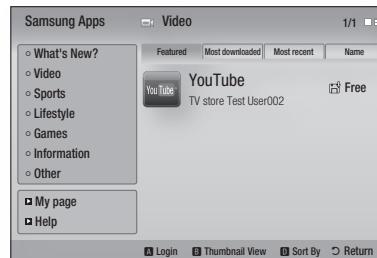
Additional applications will be available in the future.

Using the color buttons with the Samsung Apps.

- **Red (Login):** To log in to the internet service.
- **Green (Thumbnail View):** To change the view mode.
- **Blue (Sort By):** To sort the applications by **Featured, Most Downloaded, Most Recent** or **Name**.
- **Return:** Moves to previous menu.

Accessing the Samsung Apps Screen

To access Samsung Apps, use the **▲▼◀▶** buttons to navigate to the Samsung Apps button on the Internet@TV main screen, and then press Enter.



Using the Samsung Apps Screen

To use the Samsung Apps screen, follow these steps:

1. Use the **◀▶** buttons to move to the category list on the left.
2. Use the **▲▼** to highlight a category. In a few seconds, the Samsung Apps screen displays the applications in that category.
3. Use the **▶** button to move to the displayed applications.
4. Use the **▲▼◀▶** buttons to select an application, and then press the **ENTER** (**□**) button. The Application Details screen appears describing the service or application.
5. Press the **ENTER** (**□**) button. If the application is free, it downloads. If not, and there is a fee, follow the directions on the screen to complete the download.

NOTE

- Applications you have downloaded appear on the Internet@TV main screen.
- You can also access the tabs on the top of the screen using the **▲▼◀▶** buttons.

Samsung Apps by category

The following categories are available:

- **What's New?**: Displays newly registered applications.
- **Video**: Displays various video media such as movies, TV shows, and short length videos.
- **Sports**: Displays various sports media such as match information, images, and short length video.
- **Game**: Displays various games such as sudoku and chess.
- **Lifestyle**: Includes various lifestyle media services such as music, personal photo management tools, and social networking such as Facebook and Twitter.
- **Information**: Includes various information services such as news, stocks, and weather.
- **Other**: Includes other miscellaneous services.

My page

Displays the application list.

Help

If you have questions about Internet@TV, check Help first. If none of the tips apply, please visit the Help website.

Using the color buttons with the Samsung Apps

- **RED (A) (Login)** : To log in to the internet service.
- **GREEN (B) (Thumbnail View)** : To change the view mode.
- **BLUE (D) (Sort By)** : To sort the applications by Featured, Most Downloaded, Most Recent, or Name.
- **Return** : Moves to previous menu.

Internet@TV Services Available

- YouTube/Pandora/Netflix/Blockbuster/USA Today News
 - Blockbuster : You can view movies streamed by Blockbuster.
 - YouTube : You can view video streamed by YouTube.
 - Netflix : You can view movies streamed by Netflix.
 - Pandora : You can listen to Internet radio.

NOTE

- The Internet contents services may be added or deleted by providers without notice.

Network Services

BD-LIVE™

Once the player is connected to the network, you can enjoy various movie-related service contents using a BD-LIVE compliant disc.

1. Attach a USB memory stick to the USB jack on the side of the player, and then check its remaining memory.
The memory device must have at least 1GB of free space to accommodate the BD-LIVE services.
2. Insert a Blu-ray disc that supports BD-LIVE.
3. Select an item from various BD-LIVE service contents provided by the disc manufacturer.

NOTE

- The way you use BD-LIVE and the provided contents may differ, depending on the disc manufacturer.

Software Upgrade Notification

When connected to the network, the player can notify you if a new software version is available.

1. Turn on the player.
2. In the Software Upgrade menu, set Auto Upgrade Notification to **On**. (See page 49)
If there is a new software version available, the player notifies you with a popup message.
3. To upgrade the firmware, select **Yes** on the Pop-up. The player turns off automatically, then restarts, and begins the download.
4. (Never turn on the player manually here.)
5. The update progress popup appears.
When the update is complete, the player turns off again automatically.
6. Press the **POWER** button to turn on the player.

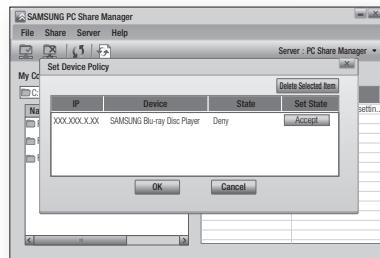
NOTE

- Update is complete when the player turns off after restarting. Press the **POWER** button to turn on the updated player for your use.
Never turn the player off or on manually during the update process.
- Samsung Electronics shall take no legal responsibility for player malfunction caused by an unstable internet connection or consumer negligence during software upgrade.Usin

Using the AllShare Function

AllShare lets you play music, video, and photo files located in your PC on your TV, using the player. To use AllShare, you must connect the player to your PC via the network (See pages 32~33) and install the SAMSUNG PC Share Manager on the PC. To install and use Share Manager, follow these steps.

1. Visit the Samsung website at www.samsung.com.
2. Download the SAMSUNG PC Share Manager and install it on your PC.
3. When the installation is complete, you will see the SAMSUNG PC Share Manager icon on your desktop.
Double-click the icon to launch the application.
4. Select a folder to share from the My computer pane, and click the **Share Folder Enabled icon** ().
(To remove a shared folder : Select a folder to remove from the shared folders, and click the **Share Folder Disabled icon** ().)
5. To apply the updated sharing state to the server, click the **Set Change State icon** ().
6. To enable the player to locate a PC server, click **Share** from the menu bar.
Click **Set Device Policy** and click **Accept**.
7. Click the **Set Change State icon** () and move to the home menu on player.



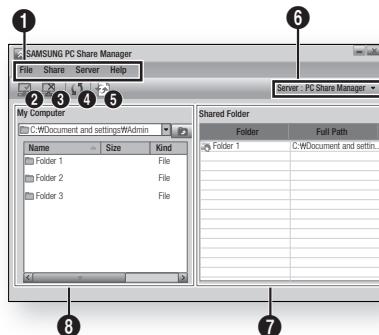
8. To select a device, use the **RED (A)** or **BLUE (D)** button to select a file to play.
(For playing back Video, Music or Photos files, see pages 55~58.)



NOTE

- Depending on the performance of the external modem or router, HD video may not play properly.
- If your system uses a firewall, the player may not locate your PC on the TV screen.
- AllShare does not support the following functions.
 - The Background Music and Background Music Setting functions.
 - Sorting files by preference in the Photo, Music and Movie folders.
 - The Change Group function.
 - The Safe Remove function.
- The Sorting method may differ depending on the server function.
- The search and skip operation may differ depending on the server function.
- During video playback, play time is not displayed.
- To use the AllShare function, please place both this player and PC in the same subnet.

AllShare Program at a Glance



① Menu Bar

Share Folder Enabled icon : Use to select a folder in your PC to share.

Share Folder Disabled icon : Use to set folder sharing off.

Refresh icon : Use to refresh list of folders and files in My Computer.

Set Change State icon : Select a folder to share, and then click the Set Change State icon. The updated state will be applied to the server.

⑥ Server : Displays the name of the sharing server.

⑦ Shared Folder : Displays a list of the shared folders.

⑧ My Computer : Displays a list of the folders and files in the PC.

Appendix

Cautionary Notes

Cautions on Using the Player

- **Avoid strong magnetic fields.**

Using the player under strong fluorescent lighting, in a car, near a TV or magnetic object may cause recorded images to deteriorate.

- **Be sure to remove the disc, turn off the player, and remove the battery pack after use.**

• If you use the player near a broadcast station or power transmission tower, the video may become distorted due to interference.

- **Do not drop the player or subject it to strong vibration or shock.**

- **Do not place the player near a lamp.**

Heat from the incandescent light bulbs may cause deformation or malfunction.

- **Always observe the rules regulating the use of electrical devices on airplanes.**

- **Do not expose this product to high temperature and humidity.**

This product can be operated within a temperature range of 41°F (5°C) ~ 95°F (35°C) and humidity range of 10%~75%.

Do not expose this product to direct sunlight or leave in a car with its windows closed.

Doing so may result in deformation of the casing and circuitry as well as cause fire or bodily injury.

- **Do not let water, sand, dust, or other foreign objects into the player. Avoid using or storing the player in a place where there is smoke, steam, or moisture.**

Doing so may cause a malfunction or cause mold to grow on the pick-up lens. Keep the player in a well-ventilated area.

- **When using the player in cold environments, the color LCD screen may not be visible immediately after the power is turned on.**

This is not a malfunction. Do not operate the player in temperatures below 50°F.

- **Be especially careful not to scratch the pick-up lens when you loading or unload discs, or when you clean the player.**

Doing so may result in a malfunction.

- **Be sure to remove the disc from the player before packing for moving.**

We recommend that you also remove the disc from the player and turn off the power when not using the player.

Saving Power

- We recommend that you turn off the power to the player when not using it. If you are not going to use the player for prolonged period of time, unplug the power cord from the wall outlet.

Maintenance of LCD Screen

- To keep the screen clean, turn off the power, and then wipe with a soft, dry cloth.

About LCD Screen

- This LCD panel is designed with the latest technology, ensuring 99.99% active pixels.

Cautions on Using Battery pack

Danger!

Always follow the safety information below when using the battery pack. Otherwise, a short circuit, overheating, smoke, fire, or damage to the product may result.

- Never disassemble or modify the battery pack in any way. Do not touch the terminal of the battery pack with a metal object.
- Do not let any metal object inside the battery pack.
- Do not place the battery pack in direct sunlight, on the dashboard of a vehicle, or in places where the temperature is high.
- Do not expose the battery pack to water, fire, or heat.
- Always use the included AC adapter when charging the battery pack.
- This battery pack is designed exclusively for your portable Blu-ray disc player. Do not use it with other devices.

Warning!

- Do not drop or subject to strong vibration.
- Keep out of reach of children.
- The battery pack may leak fluid that is harmful to your eyes.

If this fluid gets in your eyes, wash eyes immediately with large amounts of running water and get medical attention immediately.

If the fluid gets on your skin or clothing, wash immediately with water.

Appendix

Caution!

- When not using the battery pack, remove it and store in a cool place.
- Do not use the AC power adapter or battery pack for a prolonged period of time during recharging. You might get a low temperature burn.
- Keep the battery pack free from smoke, steam, moisture, and dust.
 - Do not place the battery pack near or on a heater, in a kitchen, or any other place where there is smoke or steam. Doing so may result in fire or electric shock.
 - Avoid direct sunlight, heaters, or high temperature places, etc., for example, the inside of a car. It can cause an explosion, a short circuit, overheating, smoke, fire, or damage to the product.
- Using the battery pack where ambient temperatures under 50°F or over 86°F can reduce battery life.

After a Recharge, store the Battery pack separately.

- This battery pack is a lithium ion battery. Even when not in use, power will drain slowly. So use a fully charged battery pack.
- Recharge until the charge lamp turns green and stays on. Partially charging the battery pack decreases the overall lifetime of the battery.

Cautions on Charging the Battery pack

- Charge in locations in which the temperature ranges from 50°F~86°F. Charging in locations with low temperatures slows down charging and decreases the capacity of the battery pack. You cannot fully charge the battery pack at high temperatures.
- If the player is overheated and the battery pack's internal temperature goes up to a certain level, you will not be able to charge the battery pack. (The lamp flashes quickly and the light does not come on.) If this occurs, remove the battery pack. After the internal temperature reaches a safe level, re-attach the battery pack. If the AC adapter is attached to the player, charging begins automatically.
- The battery pack becomes warm during recharge or use. This is normal and is not a cause for concern. However, a hot battery pack may take longer to charge or may not charge at all. Wait until the battery pack cools down before charging.

Battery Pack Life and Use (Low Temperature)

- The lifetime of the battery pack is limited. Power slowly drains from the battery pack even when you are not using it. Though it varies for differing storage conditions, the battery pack stored unused for a year has a much shorter lifetime. If the battery pack constantly runs down quickly, even after a full charge, replace it with a new one.
- Total operating time of the battery pack becomes much shorter when used at temperatures below 50°F. Electrical energy is discharged due to internal chemical action of the battery pack. A very low temperature may impede this chemical action and shortens the total operating time.

! CAUTION

- Be sure to use only the battery pack exclusively designed for your player.

☞ NOTE

- When not using the player, always turn off the power to conserve the battery pack. For best results, always charge the battery pack with the player turned off.

Cautions on Storing the Battery pack

Even when not in use, power is consumed continuously. To reduce the power consumption, follow the procedures below.

- Remove the battery pack from the player after every use.
- When not using the player, turn off the power. If the player is left in the standby mode, power will be slowly drained from the battery pack and the charging capacity will decrease.
- Before storing the battery pack, completely drain the power by operating the player, and then store the battery pack in a cool, dry place. If stored in a hot place, the capacity of the battery pack will decrease.
- The battery pack must be recharged and then used on the player at least once every 6 months. This helps to prevent the loss of capacity.

AC Adapter

Use of the AC power adapter depends on the specific voltage requirements and electrical outlet design.

- Using the AC power adapter near a radio may cause poor reception.
- Do not let any type of flammables, liquids, or metal objects enter the adapter.
- The adapter is covered with an outer plastic sheath. Do not peel open the sheath.
- Do not drop, jar, or shake the adapter.
- Do not place in direct sunlight.
- Do not use in high temperatures or cold and humid environments.

Cleaning and Maintenance

- Many plastic parts are used in this player casing. Do not use volatile chemicals such as benzene or thinner to clean the player. This might damage the finish.
- Wipe the casing with a soft, dry cloth. For excessive dirt, use a cloth dampened in a diluted neutral detergent, and wipe again with a soft, dry cloth.
- Wipe off fingerprints or dirt on the LCD screen using a soft, dry cloth.

Appendix

Troubleshooting

Before requesting service, please check the following.

PROBLEM	SOLUTION
Video does not appear with on the external component connected to the Blu-ray player	<ul style="list-style-type: none">Check that the TV is set to VIDEO or HDMI.Check that the Audio/Video Cable is securely connected.
Dolby Digital audio volume is too low.	<ul style="list-style-type: none">Change the "Dynamic Range Control" setting to "On". This will turn up the comparatively low volume level of Dolby Digital, which provides the widest, dynamic sound range.
Battery pack won't charge.	<ul style="list-style-type: none">A hot battery pack may take longer to charge. Wait until the battery pack is sufficiently cooled down.
Power does not turn on.	<ul style="list-style-type: none">Check whether the battery pack is completely exhausted.You can check the remaining battery power even when the product is turned off. If LED does not turn on, charge the battery pack before using.
Battery Changing Status Indicator does not light (Battery pack won't charge).	<ul style="list-style-type: none">Replace with a fully charged battery pack or use the AC adapter. If the Blu-ray player is overheated and the battery pack's internal temperature goes up to a certain level, you will not be able to charge the battery pack. In this occurs, remove the battery pack. Re-attach the battery after it has cooled down sufficiently. Charging will begin automatically.Check that the temperature is within the range of 41°F~113°F (5°C~45°C).Check that the jack of the AC adapter is plugged in correctly.
Battery charging takes too long.	<ul style="list-style-type: none">Charging the product while in use takes longer. For faster charging of the product, turn the product's power off while charging. Note that charging a completely exhausted battery may take a longer time because the battery's internal protection circuit requires recovery time.
Power does not turn on or suddenly turns off.	<ul style="list-style-type: none">Make sure the AC power cord is securely plugged into an AC outlet.Turn the power off, and then back on.
Battery pack is in place, but the power does not turn on or suddenly turns off.	<ul style="list-style-type: none">Check if the battery pack is charged. If not, recharge it.
No operation can be performed with the remote control.	<ul style="list-style-type: none">Check the battery in the remote control. You may need to replace it.Operate the remote control at a distance of no more than 20 feet from the player.Remove the battery, and then hold down one or more buttons for several minutes to drain the microprocessor inside the remote control to reset it. Reinstall the battery, and then try to operate the remote control again.
There is no sound from the built-in speakers.	<ul style="list-style-type: none">Unplug all earphones and Audio/Video cables from the product. If cables are connected, the built-in speakers are disabled.

PROBLEM	SOLUTION
A loud noise is heard from the earphones.	<ul style="list-style-type: none"> Check whether the earphones are connected to the earphones jack (聆听) properly. If they are connected to the AV jack (yellow), you cannot hear sound normally.
There is no video from the analog AV connection.	<ul style="list-style-type: none"> Check whether the Audio/Video cable is properly connected to the AV jack (yellow). If it is connected to the earphones jack, you cannot watch video or hear sound normally.
If the TV is connected using HDMI cable, there are no display on the LCD screen.	<ul style="list-style-type: none"> The product automatically turns off its LCD screen when it detects an HDMI connection to a TV. Press the LCD ON/OFF button of the remote control to turn on the LCD screen. Note that LCD screen displays video in a lower quality than that of no HDMI connection.
Pressing the LCD ON/OFF button after connecting the player to a TV with an HDMI cable does not display video on the LCD monitor.	<ul style="list-style-type: none"> If the player is connected to a 3D supporting TV and is playing a 3D Blu-ray disc, pressing the LCD ON/OFF button does not display video on the product's LCD screen.
Video quality displayed on the product's LCD becomes lower suddenly.	<ul style="list-style-type: none"> Check whether the product outputs video through an HDMI cable connected to a TV. When displaying on a TV through an HDMI cable, the video quality of the product's LCD is set to SD quality. To display video on the product's LCD screen in a higher resolution, disconnect the HDMI cable connected to a TV.
Earphone volume level is not saved.	<ul style="list-style-type: none"> When you turn off the product with the volume level set to 10 or higher, it automatically adjusts to 10 when turned back on. This is to protect your hearing by avoiding too high volume level when the product is turned on.
Adjusting the volume control does not affect volume produced from the TV.	<ul style="list-style-type: none"> The volume control wheel of the product only adjusts the volume level for earphones and the built-in speakers. Use the TV volume control.
Adjusting the volume control does not affect volume produced from the earphones or speakers.	<ul style="list-style-type: none"> If an AV OUT or HDMI cable is connected, the volume control wheel does not operate.
Touch button does not operate.	<ul style="list-style-type: none"> Check whether the HOLD switch on the front side of the product is set to "LOCK" (锁定). To enable touch button operation, slide the HOLD switch to "UNLOCK" (解除锁定).
Disc does not play.	<ul style="list-style-type: none"> Ensure that the disc is installed with the label side facing up. Check the region number of the Blu-ray Disc/DVD.
Disc Menu does not appear.	<ul style="list-style-type: none"> Ensure that the disc has disc menus.

Appendix

PROBLEM	SOLUTION
The prohibition message appears on the screen.	<ul style="list-style-type: none">• This message appears when an invalid button is pressed.• The Blu-ray Disc/DVD's software doesn't support the feature (e.g., angles)• You've requested a title or chapter number or search time that is out of range.
Play mode differs from the Setup Menu selection.	<ul style="list-style-type: none">• Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.
The screen ratio cannot be changed.	<ul style="list-style-type: none">• The screen aspect ratio is fixed on your Blu-ray Disc/DVDs.• This is not a problem with the player.
No audio.	<ul style="list-style-type: none">• Make sure you have selected the correct Digital Output in the Audio Options Menu.
The screen is blocked	<ul style="list-style-type: none">• Press and hold the product's STOP (■) button for longer than 5 seconds with no disc inside. All settings will revert to the factory settings.• When the factory default settings are restored, all the stored user BD data is deleted.
If the HDMI output is set to a resolution your TV cannot support (for example, 1080p), you may not see a picture on your TV.	<ul style="list-style-type: none">• Press and hold the product's STOP (■) button for longer than 5 seconds with no disc inside. All settings will revert to the factory settings.• When the factory default settings are restored, all the stored user BD data is deleted.
Forgot password	<ul style="list-style-type: none">• Press and hold the product's STOP (■) button for longer than 5 seconds with no disc inside. All settings including the password will revert to the factory settings. Don't use this unless absolutely necessary.• When the factory default settings are restored, all the stored user BD data is deleted.
If you experience other problems.	<ul style="list-style-type: none">• Go to the contents and find the section of the user manual that contains the explanations regarding the current problem, and follow the procedure once again.• If the problem still cannot be solved, please contact your nearest Samsung authorized service center.
The picture is noisy or distorted	<ul style="list-style-type: none">• Make sure that the disc is not dirty or scratched.• Clean the disc.
No HDMI output.	<ul style="list-style-type: none">• Check the connection between the TV and the HDMI jack of the player.• Check if your TV supports 480p, 720p, 1080i, or 1080p HDMI input resolution.
Abnormal HDMI output screen.	<ul style="list-style-type: none">• If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).

PROBLEM	SOLUTION
PC Share Manager function	
I can see folders shared through the PC Share Manager, but I cannot see the files.	<ul style="list-style-type: none"> Share Manager shows only Image, Music, and Movie files. Files that do not correspond to these categories are not displayed.
AllShare function	
Video is played intermittently.	<ul style="list-style-type: none"> Check if the network is stable. Check if the network cable is properly connected and if the network is overloaded. The wireless connection between the server and the player is unstable. Check the connection.
AllShare connection between TV and PC is unstable.	<ul style="list-style-type: none"> IP addresses under the same sub-network should be unique, otherwise IP conflicts can occur causing unstable internet connections. Check if you have a firewall enabled. If so, disable the firewall function.
BD-LIVE	
I cannot connect to the BD-LIVE server.	<ul style="list-style-type: none"> Check whether the network connection is successful or not by using the Network Test menu. (See page 47) Check whether a USB memory device is connected to the player or not. The memory device must have at least 1GB of free space to accommodate the BD-LIVE service. You can check the available size in BD Data Management. (See page 42) Please check whether the BD-LIVE Internet Connection menu is set to Allow (All). If all above fails, contact the contents provider or update to the latest firmware.
When using the BD-LIVE service, an error occurs.	<ul style="list-style-type: none"> The memory device must have at least 1GB of free space to accommodate the BD-LIVE service. You can check the available size in BD Data Management. (See page 42)

 **NOTE**

- When the factory default settings are restored, all the stored user BD data is deleted.

Appendix

Viewing TV using the 3D function

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D PICTURES.

Read and understand the following safety information before using the TV's 3D function.

WARNING

- Some viewers may experience discomfort while viewing 3D TV such as dizziness, nausea and headaches. If you experience any such symptom, stop viewing 3D TV, remove 3D Active Glasses, and rest.
- Watching 3D images for an extended period of time may cause eye strain. If you feel eye strain, stop viewing 3D TV, remove 3D Active Glasses, and rest.
- A responsible adult should frequently check on children who are using the 3D function. If there are any reports of tired eyes, headaches, dizziness, or nausea, have the child stop viewing 3D TV and rest.
- Do not use the 3D Active Glasses for other purposes (such as general eyeglasses, sunglasses, protective goggles, etc.)
- Do not use the 3D function or 3D Active Glasses while walking or moving around. Using the 3D function or 3D Active Glasses while moving around may result in injuries due to running into objects, tripping, and/or falling.

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Appendix

Specifications		
General	Power Source	12V AC Adapter 11.1V Lithium-ion Battery Pack Car Power Cable (support 12V \pm 10%) does not support Voltage beyond this condition. Do not support use in Truck/bus/military/construction vehicles/heavy equipment
	Power Consumption	DC12V === 2.0A
	Dimensions	10.9 x 7.6 x 1.4 inches (without foot) 10.9 x 7.6 x 1.5 inches (with foot)
	Weights	Net Weight : 3.4 lbs (without battery pack) 4.1 lbs (with battery pack) Gross Weight : 6.0 lbs
	Operating Temperature Range	41 °F to 95 °F
	Operating Humidity Range	10% to 75 %
Media Support	BD (Blu-ray Disc)	Reading Speed : 4.917 m / sec
	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec Approx. Play Time (Single Sided , Single Layer Disc) : 135 min
	CD : 5 inches (Compact Disc)	Reading Speed : 4.8 ~ 5.6 m/sec Maximum Play Time : 74 min
	CD : 3 1/2 inches (Compact Disc)	Reading Speed : 4.8 ~ 5.6 m/sec Maximum Play Time : 20 min
	Display Type	TFT LCD
Built in Display	Screen Size	10.1" in diagonal
	Resolution	1024 x 600
	Analog Video Out	Composite Video (via bundle Audio/Video cable)
Analog Audio Out	2ch Audio out (via bundle Audio/Video cable)	1 Channel : 1.0Vp-p (into 75 ohm Load) Blu-ray Disc / DVD : 480i
	Stereo Headphone Out	Max ouput Level : 2Vrms \pm 10% 3.5 phi Phone Jack x 1EA
	Built-in Speaker	1W, 8 ohm x 2EA
HDMI Outuput	Digital Video	2D : 1080p, 1080i, 720p, 480p 3D : 1080p, 720p
	Digital Audio	PCM (up to 7.1ch) Dolby Digital DTS
	S/PDIF Out	Digital Audio Tos-Link Optical

Battery Pack	Type	Lithium-ion
	Voltage	11.1V (nominal)
	Capacity	4000mA (nominal)
	Compatibility	Support Only dedicated Bundle Battery Pack Do not guarantee use of other Battery pack
Operating Time in Battery Mode	With Bundled 42W/4000mA Battery	approx. 3 hours (Under Condition as below LCD Backlight in "5", Headphone connected, Light Effect set to "Off", without USB Device connection)
Charging Time	In Standby Mode	approx. 4 hours
	In Power on Mode	at least 9 hours (may different according to user condition, option setting)
Charging Temperature (reference is internal temperature of Battery Pack)	Start Condition	41°F to 113°F
	Stop Condition	below 32°F or above 140°F

*: Nominal specification

- Design and specifications are subject to change without prior notice.
- Weight and dimensions are approximate.
- Reference of ambient temperature for Operating time in battery mode and charging time is 68°F~ 77°F.

Appendix

Compliance and Compatibility Notice

NOT ALL discs are compatible

- Subject to the restrictions described below and those noted throughout this Manual, including the Disc Type and Characteristics section of this user manual, disc types that can be played are: pre-recorded commercial BD-ROM, DVD-VIDEO, and Audio CD (CD-DA) discs; BD-RE/-R, DVD-RW/-R discs; and CD-RW/-R discs.
- Discs other than the above cannot and/or is not intended to be played by this player. And some of the above discs may not play due to one or more reasons provided below.
- Samsung cannot assure that this player will play every disc bearing the BD-ROM, BD-RE/-R, DVD-VIDEO, DVD-RW/-R, DVD+RW/+R and CD-RW/-R logos, and this player may not respond to all operating commands or operate all features of every disc. These and other disc compatibility and player operation issues with new and existing format discs are possible because:
 - Blu-ray is a new and evolving format and this player may not operate all features of Blu-ray Discs because some features may be optional, additional features may have been added to the Blu-ray Disc format after the production of this player, and certain available features may be subject to delayed availability;
 - not all new and existing disc format versions are supported by this player;
 - new and existing disc formats may be revised, changed, updated, improved and/or supplemented;
 - some discs are produced in a manner that allows specific or limited operation and feature during playback;
 - some features may be optional, additional features may have been added after the production of this player or certain available features may be subject to delayed availability;
 - some discs bearing the BD-ROM, BD-RE/-R, DVD-VIDEO, DVD-RW/-R, DVD+RW/+R and CD-RW/-R logos may still be non-standardized discs;
 - some discs may not be played depending on their physical state or recording conditions;
 - problems and errors can occur during the creation of Blu-ray Disc, DVD software and/or the manufacture of discs;
 - this player operates differently than a standard DVD player or other AV equipment; and/or
 - for reasons noted throughout this user manual and for other reason(s) discovered and posted by SAMSUNG customer care center.
- If you encounter disc compatibility or player operation problems, please contact SAMSUNG customer care center.
You may also contact SAMSUNG customer care center for possible updates on this player.
- For additional information on playback restrictions and disc compatibility, refer to the Precautions, Before Reading the user manual, Disc Types and Characteristics, and Before Playing sections of this user manual.

Copy Protection

- Because AACS (Advanced Access Content System) is approved as content protection system for Blu-ray Disc format, similar to use of CSS (Content Scramble System) for DVD format, certain restrictions are imposed on playback, analog signal output, etc., of AACS protected contents. The operation of this product and restrictions on this product may vary depending on your time of purchase as those restrictions may be adopted and/or changed by AACS after the production of this product. Furthermore, BD-ROM Mark and BD+ are additionally used as content protection system for Blu-ray Disc format, which imposes certain restrictions including playback restrictions for BD-ROM Mark and/or BD+ protected contents. To obtain additional information on AACS, BD-ROM Mark, BD+, or this product, please contact SAMSUNG customer care center.

- Many Blu-ray Disc/DVD discs are encoded with copy protection. Because of this, you should only connect your Player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected Blu-ray Disc/DVD discs.
- "This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited."
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, videotapes, Blu-ray Discs, DVDs, and other materials may subject you to civil and/or criminal liability.
- **For Blu-ray Disc Player progressive scan output :** CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS PRODUCT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

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Appendix

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- DivX Certified to play DivX video up to HD 1080p, including premium content.
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One (1) Year Parts / Ninety Days (90) Labor

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States, and does not include transportation, installation, removal or reinstallation. Warranty repairs must be performed by SAMSUNG's authorized service center. To receive warranty service, the original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge with new or reconditioned parts, if found to be defective during the limited warranty period specified above. The product must be returned during the warranty period with transportation charges prepaid to SAMSUNG's designated service center. Prior to returning any product for warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; applications and uses for which this product was not intended; failures or problems which are caused by products or equipment not supplied by SAMSUNG; accidents, misuse, abuse, neglect, misapplication, fire, water, lightning or other acts of nature; incorrect electrical line voltage, fluctuations or surges; damage caused by improper or faulty installation; improper connection with any peripheral; product alteration or modification; improper or unauthorized repair; cosmetic damage or exterior finish; product with altered serial numbers; failure to follow operating instructions, customer adjustments, maintenance and environmental instructions that are covered and prescribed in the instruction book; use of non-SAMSUNG or unauthorized parts, supplies, accessories or equipment which damage this product or result in service problems; failures or problems due to incompatibility with other equipment.

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